

THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY



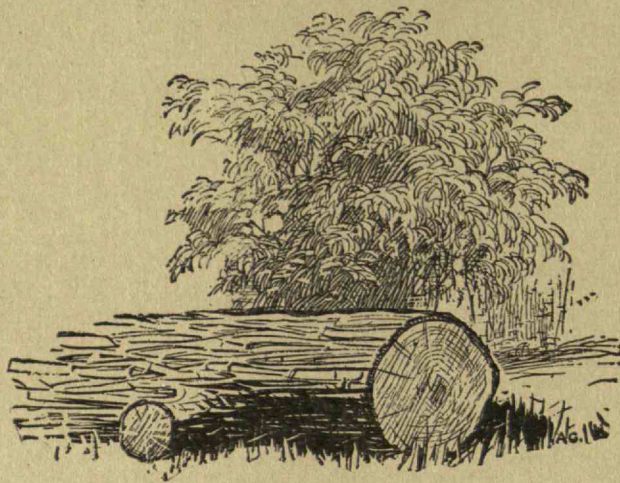
FEBRUARY
1 9 2 4

PUBLISHED BY THE ALUMNI ASSOCIATION

technology review

Published by MIT

This PDF is for your personal, non-commercial use only.
Distribution and use of this material are governed by copyright law.
For non-personal use, or to order multiple copies please email
permissions@technologyreview.com.



—are you sure you deserve it?

“Give me a log with Mark Hopkins at one end of it and myself at the other,” said, in effect, President Garfield, “and I would not want a better college.”

But if Mark Hopkins was an inspired teacher, it is just as true that James A. Garfield was an inspiring student.

Sometimes Garfield's praise of his professor is quoted in disparagement of present day faculties—the assumption being that we as listeners are sympathetic, all that we ought to be—and that it is the teacher who has lost his vision.

Is this often the case?

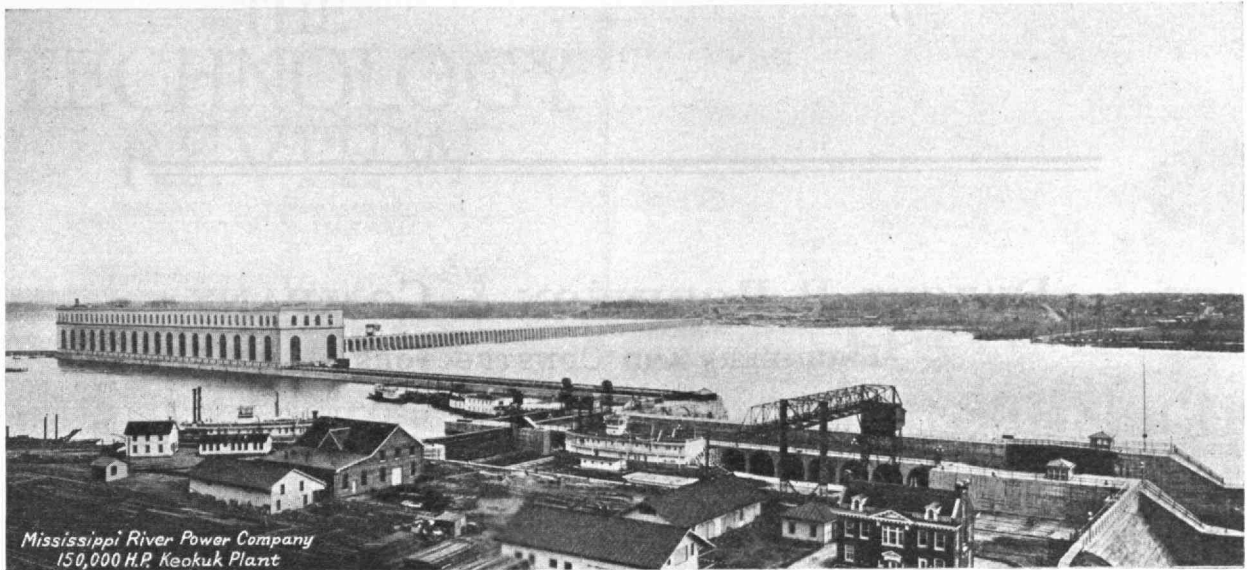
It is the recollection of one graduate at least that he did not give his professors a chance. Cold to their enthusiasms, he was prone to regard those men more in the light of animated text-books than as human beings able and eager to expound their art or to go beyond it into the realm of his own personal problems.

This is a man to man proposition. Each has to go half way. Remember, there are two ends to the log.

*Published in
the interest of Elec-
trical Development by
an Institution that will
be helped by what-
ever helps the
Industry.*

Western Electric Company

This advertisement is one of a series in student publications. It may remind alumni of their opportunity to help the undergraduate, by suggestion and advice, to get more out of his four years.



INVESTMENTS

PUBLIC UTILITIES

RAILROADS

INDUSTRIALS

STONE & WEBSTER

INCORPORATED



BOSTON, 147 Milk Street

NEW YORK,

120 Broadway

CHICAGO, 38 S. Dearborn Street

DWIGHT P. ROBINSON & COMPANY
INCORPORATED
ENGINEERS AND CONSTRUCTORS

Design and Construct

Hydro Electric Developments

Steam Power Plants

Industrial Plants

Railroad Shops

Construct

Office and Apartment
Buildings

125 EAST 46TH STREET
NEW YORK

Chicago

Los Angeles

Philadelphia

Montreal

Youngstown

Rio de Janeiro

Atlanta

THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY

*Published monthly, from November
to May inclusive, and in July
at Cambridge, Mass.*

Vol. XXVI

No. 4

Contents for February, 1924

Cover Design by Kenneth Reid, '18

The Past Month	185
Editorial Comment	188
Building Activity in Devastated France	190
<i>By Samuel Chamberlain, '18</i>	
The Alumni Association Dinner	193
Blashfield and the Mural	195
<i>By Harry J. Carlson, '92</i>	
The Status of the Endowment Fund	197
The One Hundred First Meeting of the Council	199
DEPARTMENTS	
Tech Men in the Public Eye	201
Athletics	203
News from the Alumni Clubs	205
News from the Classes	210
Classified Advertising	234



H. E. LOBDELL '17 *Editor*
E. F. HODGINS '22 *Managing Editor*
R. E. ROGERS *Contributing Editor*

PUBLISHED BY THE ALUMNI ASSOCIATION

George L. Gilmore, '90, *President*
Arthur T. Hopkins, '97, *Secretary-Treasurer*
Orville B. Denison, '11, *Executive Secretary*

Entered as Second Class Mail Matter at the Post Office
at Boston, Mass.

Copyright, 1924, by The Technology Review.

TERMS:—\$3.00 a year, in advance; a single copy, 50 cents. To undergraduates of the Massachusetts Institute of Technology \$2.25 per year, in advance, a single copy, 30 cents. Canadian and foreign postage, 50 cents per year additional. Back numbers over three months old, 60 cents each. Instructions for change of address should be sent three weeks before the date they are to go into effect. Both old and new addresses should be given.

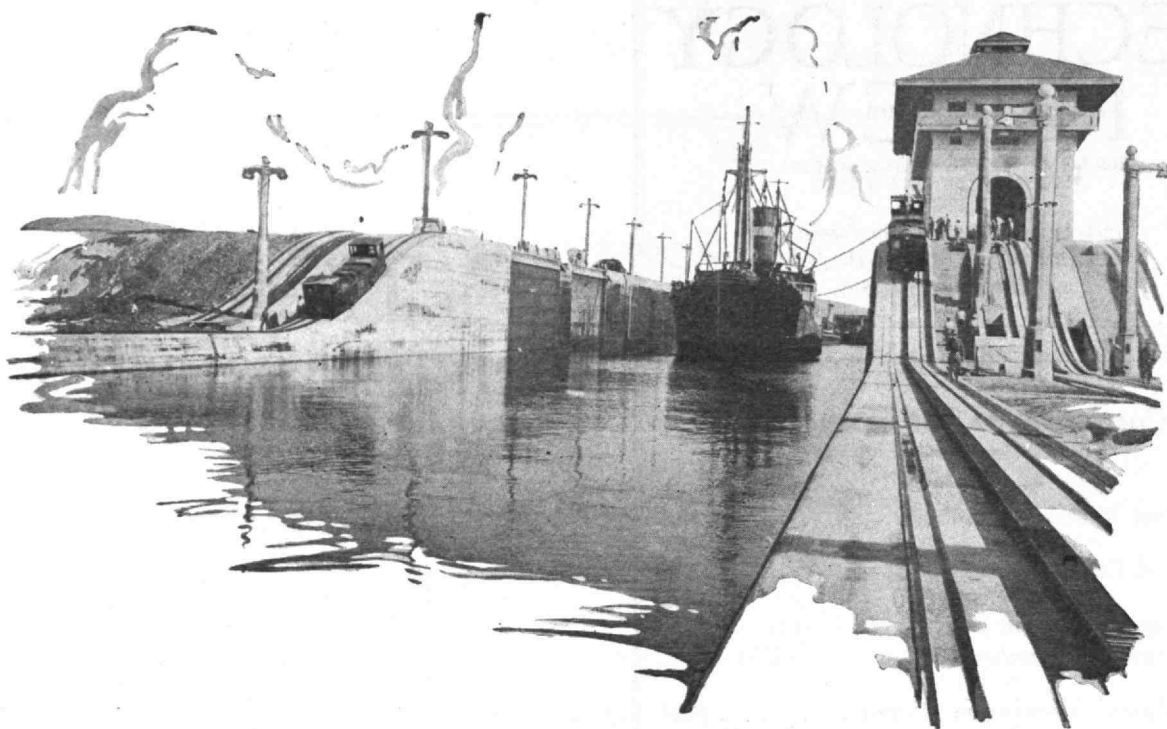
There is
genuine satisfaction
in knowing that
your savings are
invested in
securities of
sound value

[[May we send you
a list of high grade
bonds we recommend
for investment ?]]

Established 1848

**Lee, Higginson
& Company**

New York Boston Chicago
Higginson & Co.
London



Eight thousand miles saved on every trip

It used to be 13,307 miles from New York to San Francisco by sea; it is now only 5,262.



To lighten human labor, shorten distance, and save money—these are the services of electricity. General Electric Company makes much of the apparatus by which electricity works, and stamps it with the monogram shown above.

The Panama Canal, which seemed such a heavy expense when it was built, is an immense national economy.

A greater economy because of the 1,500 General Electric motors which do its work—pulling the ships through, pumping water, opening and closing the locks—all at such little cost.

GENERAL ELECTRIC

THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS
INSTITUTE OF TECHNOLOGY

Vol. XXVI

FEBRUARY, 1924

No. 4

The Past Month

NOT since the famous Alumni Dinner of 1920, when the identity of Mr. Smith was revealed, has there been an Alumni Dinner productive of so much interest or justifying that interest in so remarkable a manner. The full details of the dinner are reported elsewhere in this issue. Here it is important to record only two of the announcements made by Dr. Stratton during the evening. The first is the announcement that the Institute has practically doubled the area of its site by the recent action of the Corporation which purchased or optioned almost fifty acres of land stretching from Massachusetts Avenue (with the exception of several small parcels) to the west. Happily this purchase, at an average, cost no greater than the cost of the original land first purchased in Cambridge. The second announcement is that donors, still unnamed, have offered to the Institute funds for the construction of an Infirmary to fill the urgent need of the Institute for proper means and accommodation for the care of students who become ill.

No more significant events towards the expansion of the Institute has occurred, perhaps, since Technology's removal to its site upon Charles River Road.

LIKEWISE, at the dinner, came another event of interest and importance. It was the unveiling of the Blashfield Mural in the Main Hall of Walker

Memorial by Master Colin Maclaurin, son of Technology's late President. An extended description of the Mural is given upon another page of this issue by Harry J. Carlson, '92, who spoke at the dinner, of Blashfield and of the Mural, after the unveiling.

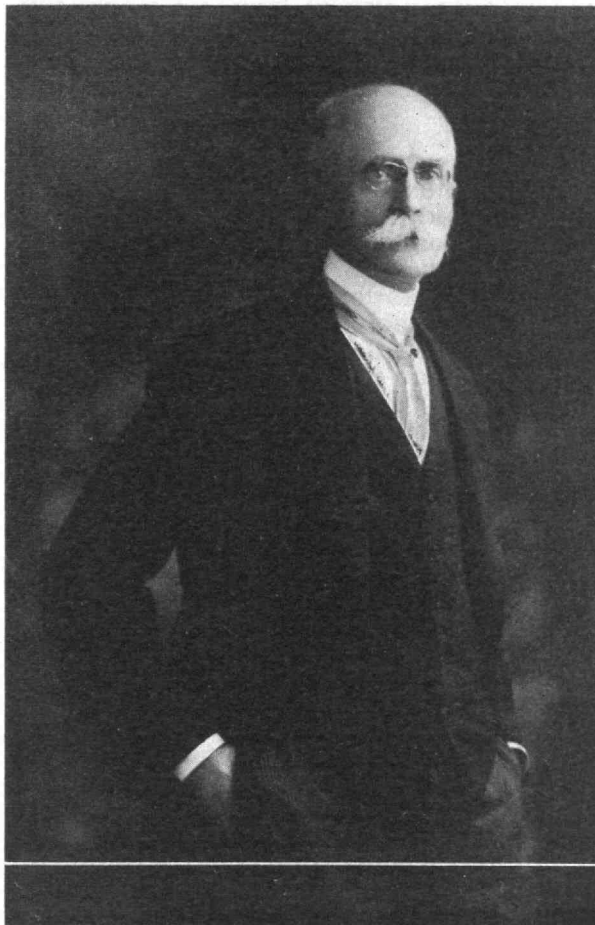


Photo by Marceau

EDWIN H. BLASHFIELD, '69

Painter of the Mural which now decorates the Main Hall of Walker Memorial. For a reproduction of the Mural and a description of it, turn to page 195

THE Lord Kelvin medal for eminence in engineering achievement has been awarded to Dr. Elihu Thomson, former Acting President of the Institute, and will be presented to him in London next summer when he will go abroad accompanied by a delegation of representatives from the American engineering societies. Professor Thomson is the first man in the United States to be given the medal and the second one in the world. The only previous award was made in 1920 to Professor Unwin of Great Britain. The medal is awarded triennially as a mark of distinction to a person who has reached high eminence as an engineer or investigator in a kind of work applicable to engineering with which Lord Kelvin was long associated.

NO state university is, after all, a prospect for Massachusetts. A commission appointed by the Governor in 1922 with legislative authority to investigate

certain phases of the state educational system reported to the General Court on January 12 its unanimous judgment that the need for additional opportunities and provisions for technical and higher

education "is not so great, nor so urgent, as to warrant the establishment of a state university." The report did recommend, however, the Junior College plan as the most efficient and economical way to provide opportunities for those who did not find the traditional college suited to their needs, but who wished some form of education beyond the high school.

TWO members of the Institute Faculty addressed sessions of the annual meeting of the American Association for the Advancement of Science held at Cincinnati between the recent holidays.

"Man is not only the product of evolution, but through his self-consciousness and his reason he can now control and direct it," said Dr. Hervey W. Shimer, Professor of Paleontology in delivering a paper entitled, "Some Forces in Man's Social Evolution."

Professor Edward P. Warner, '17, told the Social and Economic Session of the Association that the rates for air travel should be cut to 7/10 cents per passenger-mile. He cited the intensity of the competition between France and Germany for air transportation control in south central Europe and Russia as a forceful example by European governments of the value of the airplane as an economic weapon.

Announcement of important progress in all fields of science was made. Among the outstanding events recorded for the year 1923 were several of particular interest to Technology alumni:

Decrease of 4 per cent in the heat of the sun during the late months of 1922 and the early months of 1923

announced by Dr. C. G. Abbot, '94, of the Smithsonian Institution.

Distribution of heat in the spectrum of stars determined also by Dr. Abbot working at the Mt. Wilson Observatory and found to differ from distribution of light.

Discovery of the reversal of magnetic poles of sunspots by Dr. George E. Hale, '90, of Mt. Wilson Observatory, opening a new field in the study of sunspot phenomena.

Production of the world's shortest electric waves by ex-President Nichols and Dr. J. D. Tear. They were one-fiftieth of an inch in length and are equal to the shortest of heat waves.

CONTINUATION of the present emergency housing laws and the official study of substitute fuels for anthracite which, it is said, now costs the people of Massachusetts about \$90,000,000 a year, are the two outstanding recommendations made by Eugene C. Hultman, '96, Chairman of the Special Commission on the Necessities of Life and Emergency Fuel Administrator of Massachusetts in his annual report to the Legislature made public on December 7.

Of particular interest to Technology is Mr. Hultman's report on the anthracite situation. Of this, he said, "Since 1920 the commission has been trying to persuade consumers of anthracite who could use other fuels to do so. Due to the high price, poor quality, uncertain supply of anthracite, and the activities of the commission, bituminous coal, oil, coke, wood, gas and electricity are being consumed in increasing quantities in place

FROM THE OFFICE OF THE PRESIDENT

I am pleased to announce to the Alumni of the Institute, through the pages of The Technology Review, two recent occurrences of the greatest importance in the future development of the Institute.

The first of these is a practical 60% increase of the area of land on the Institute site. This has been accomplished by the purchase or the obtaining of an option upon a number of parcels of land which stretch from Massachusetts Avenue west, close to the plant of the Gray & Davis Company. A total of 592,000 square feet has been purchased from the Riverbank Trust and The Embankment Land Trust for the sum of \$296,000. Besides this outright purchase, the Institute has a ninety-day option upon 722,000 square feet of land, for which the price will be approximately \$250,000. General Coleman du Pont, '84, has, with an extreme generosity, offered to give the sum of \$125,000 towards this purchase if the balance can be raised within thirty days. As this is written, \$60,000 of this balance has been subscribed and as it reaches the Alumni, doubtless an even larger sum will have been contributed.

The significance of this action of the Corporation cannot be overestimated. The recent remarkable growth of the Institute has indicated all too clearly for the past few years that the fifty acres of land acquired for the development of the Institute on the bank of the Charles were, despite the foresight of early plans, insufficient. The addition of almost one hundred per cent to our acreage should give ample room for the future development of the Institute's activities, however far flung they may become.

The second announcement of importance relates to the proposed erection of an Infirmary. The Institute has been seriously handicapped for some time from the lack of any facilities by which it might care for its students when they became ill. Although a definite announcement at this time, of the donor of this essential building is not possible, I am able to state that it is now only a short time before a complete announcement of plans can be made.

The first announcement of these two accomplishments was made public at the Annual Dinner of the Alumni Association on January 5. Sent broadcast to the Alumni, as now it is, I am sure it will provoke the most widespread interest.

—Samuel Wesley Stratton.

January 10, 1924

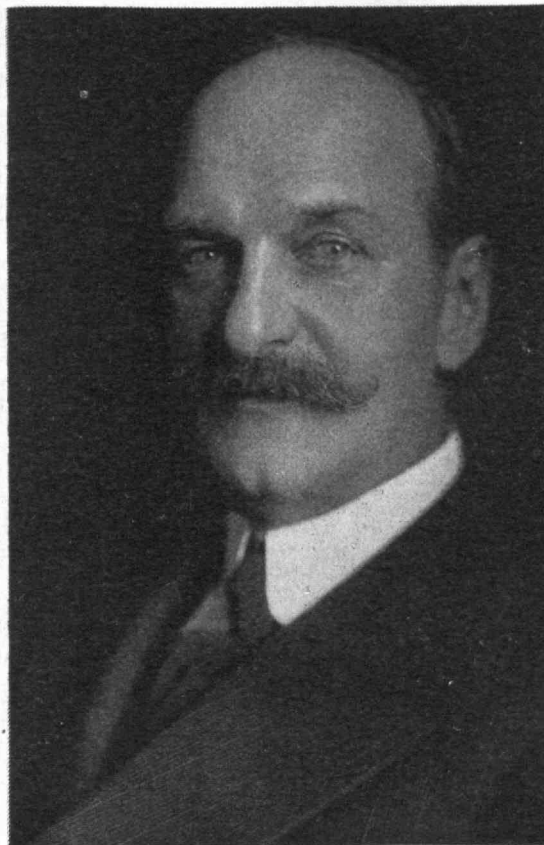
of anthracite. The commission . . . respectfully recommends to the Legislature that a sum of \$10,000 be appropriated for employing the Division of Industrial Coöperation and Research of the Massachusetts Institute of Technology, or other suitable agency, to study and report on the use of bituminous and other forms of fuel."

BEGINNING next fall the Department of Military Science and Tactics will add a Chemical Warfare unit to the courses for Juniors and Seniors continuing in the Reserve Officers Training Corps. The course was recently authorized by Robert C. Davis, Adjutant-General, in answer to an appeal by President Stratton to have such a course established at the Institute. The proposed unit will be the first unit of its kind to be established in the country.

The course, as it is planned, will resemble closely the present Ordnance R. O. T. C. unit.

Only men who are students in the courses of Chemistry, Chemical Engineering or Electrochemistry will be allowed to follow it.

HARVARD Bridge is not yet rebuilt but plans for its reconstruction continue to be put forth in increasing numbers. The Metropolitan District



© Harris & Ewing

COLEMAN du PONT, '84

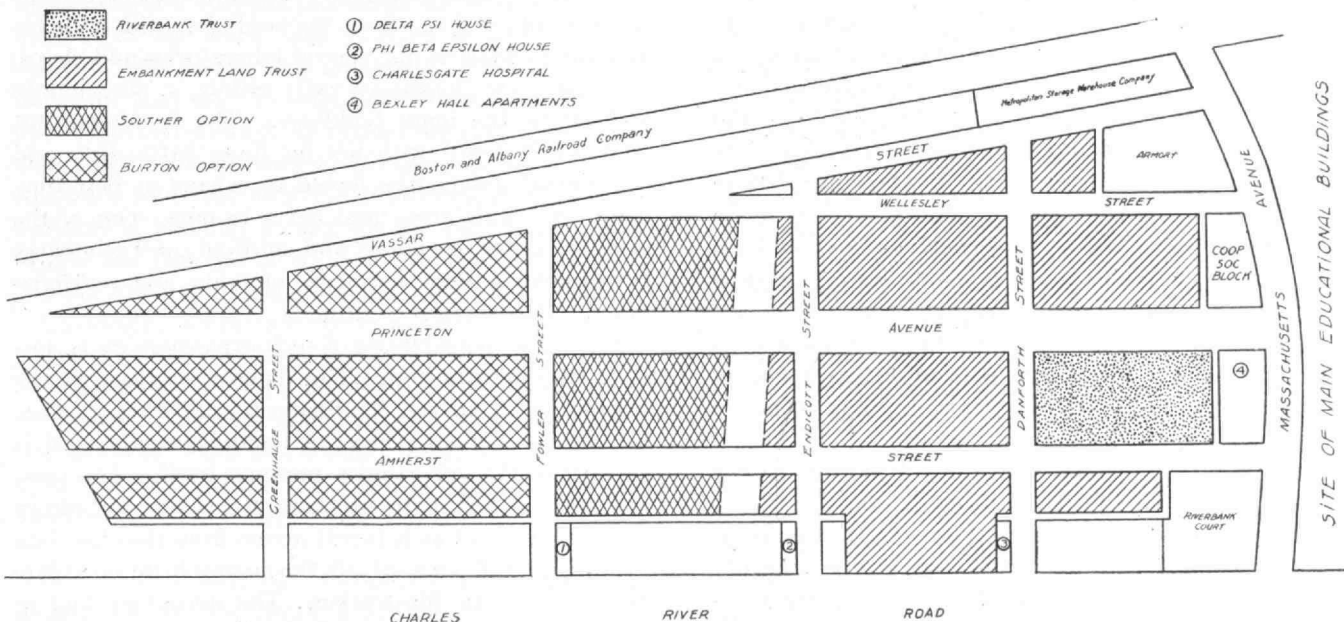
Whose generosity once more benefits Technology

Commission reported on January 4 to the Legislature that it found the propositions to build a new bridge and to reconstruct the present one both to be feasible. The Commission estimated the cost of the new bridge at \$2,700,000 and reconstruction of the present one \$800,000 if done in the most expensive style.

Of particular interest to Technology men are the plans drawn up by Robert D. Andrews, '77, for a seven-arch structure upon lines similar to the Bridge of the Trinity in Florence. The outer masonry would be of limestone similar to that used in the Institute buildings and harmonizing in color. The Review hopes in an early issue to present a symposium of plans evolved by Technology men for the reconstruction of the bridge.

THE One Hundred Second Meeting of the Alumni Council on January 11 was held for the express purpose of

listening to and discussing a unique plan put forth by Gerard Swope, '95, President of the General Electric Company, for the increase of revenue from tuition without at the same time placing students who cannot afford to pay more than at present, under a financial disadvantage. Briefly and inadequately set



THE NEW LAND REFERRED TO IN THE PRESIDENT'S ANNOUNCEMENT

The two tracts which have been purchased are the plots of Riverbank Trust and Embankment Lands Trust. The Souther and Burton options shown on the plan by double cross-hatching are the holdings toward the purchase of which General Coleman du Pont, '84, offered half the cost or \$125,000 if the remainder could be raised within thirty days. As The Review goes to press \$65,000 is all that is needed to insure Technology's ownership. The total area of the four tracts is approximately thirty acres, not including area which may be added later if streets are closed.

forth, the plan is gradually to raise tuition fees to a new and considerably higher level than their present one: to institute a committee whose task it would be to examine the character, scholarship, ability, general fitness and financial status of all students at the Institute and to place in the hands of this committee the authority to say how much a student should actually pay in cash for his tuition. For the difference between the full tuition rate and the sum which the student was adjudged fit to pay, the student would give his note, thus placing himself under a moral but not a legal obligation to discharge his indebtedness to the Institute as soon as he was financially able.

Following the setting forth of this plan the Council spent some two hours in lively, interested and close-knit debate and parted only upon the promise that at the earliest opportunity the discussion would be taken up again. There was a variety of comment upon Mr. Swope's plan, both favorable and unfavorable and it is the present hope of *The Review* that in an early forthcoming number the plan will be presented in full to the Alumni, together with criticisms and comments from representative Institute men.

AS *The Review* goes to press, comes the sudden and tragic news of the death of Professor Joseph Lipka. Professor Lipka came to the Institute as an Instructor in Mathematics in 1908 and since 1917 held the rank of Assistant Professor. His death removes from the Institute a research mathematician of the highest capability and a teacher justly enjoying wide popularity and respect. An account of his all-too-short career will appear in the March issue of *The Review*.

Editorial Comment

**Westward,
Ho!** The provident purchase, but recently announced at the Alumni Dinner, of land between Massachusetts Avenue and the Gray & Davis plant should be of the greatest importance to the Technology of the future. When the present site was bought a decade ago, it was apparent from the drawings then made that the present fifty acres seemed large enough to take care of the needs of the Institute for a long time to come. The educational buildings seemed adequate for the expected expansion, there was room for dormitories sufficient to house that portion of two thousand students who needed dormitories, there was room for a moderate athletic field and accessories. It seemed to the average man that the problem of expansion was satisfactorily settled for a long time to come.

Within the past five years, however, the need of special buildings for technical purposes has been keenly felt, special laboratories and shops for the rapidly expanding curriculum, buildings which for reasons of safety or floor space ought not to be a part of the main educational group; the dormitories, if we are adequately

to take of three thousand or more men, should not be crowded between the main plant and the Walker Memorial; the athletic fields obviously need enlargement, even without considering such special and urgent needs as a new gymnasium, skating rink, swimming pool and the like. The long desired and now promised infirmary, a necessary part of any institution our size, must have not only ground space but sufficient light and air around it. The architectural department must come home. The total of these needs makes it obvious that the new purchase, approximating thirty acres and nearly doubling the present tract, is not merely not extravagant but will probably very shortly seem hardly larger than enough.

The conditions almost parallel those of the purchase of a decade ago. The fact that the land was bought at a figure not greater than that of the present site, that fully half one fund was subscribed by the man who made the present site possible, General du Pont, the generosity of the Corporation and the satisfaction of the Alumni who heard the news remind one vividly of the circumstances attending the beginning of the present era. Then, too, the expansion is in the right direction away from the congestion of Kendall Square — although it is to be hoped that one of these days the Institute will be able to wipe out the eyesore of the old Leather Exposition building and reclaim that fine piece of water front. It is not too much to expect, also, perhaps, that since educational institutions are notoriously long lived and continuous enterprises, we shall sometime control the frontage on Massachusetts Avenue and the river front itself. Our position behind the lines is strategic; business enterprises change hands and pass, the school endures and consolidates its advances.

We have, then, in the very near future, room for as much dormitory space as we need, for athletic fields and their adjuncts, for special laboratories and shops, for the new infirmary, all within a five-minute walk from the main buildings. The problems that confront Harvard with her far flung battle line, and other great universities forced to expand as best they can over a wide area, need never be ours. One of the greatest assets, economic and spiritual, of Technology is her compactness, her sense of unity and centralization. This can now continue.

But the responsibilities of such expansion are no less than its opportunities. The danger is great, as the temptation is strong, for financial and other reasons, to adopt a Fabian policy, of building as the need is and where the opportunity presents itself. The present not too fortunate situation of the new dormitory now building, set as it is just across from the chocolate factory, in full view of all the merry little chocolate dippers, is a fair illustration. The dormitory had to go up and speedily; we are all glad it is going up. There was probably no other place so suitable for it. But the results, most of us feel, will not be altogether

satisfactory. Such difficulties can be obviated with the new tract at our disposal.

But they will be avoided only if there exists shortly, very soon, at once, a careful design for the expansion of the Institute. Some of us have always felt a sense of loss since we learned that the original sketch for the dormitory group would never be carried out. It was not ideal but it was something. The idea was right. And we shall not feel entirely easy until we see, we hope soon, a picture of the possibilities of the new tract and what is left of the old tract — dormitories here, laboratories and shops there, infirmary and architectural buildings here and athletic apparatus there, all in order, carefully and economically planned with an eye to beauty as well as convenience, a design that ought to care for the normal rapid expansion of the Institute for another decade or fifteen years. That is long enough. By then we shall be expanding again, covering, we hope, the river front from the A. D. Little plant to the Gray & Davis factory. And we hope to see, before we die, the whole area enclosed with a closely-planted hedge or horizon of tall poplars, a cyclorama — to use a theatrical term — against which shall be set the scene which is Technology.

The Swope Idea

We venture the prediction that not since 1920, when the "Technology Plan" was widely hailed as a boon and a curse, will the Institute have heard so much discussion as it is now about to hear of the plan proposed by Gerard Swope, '95, at a recent special meeting of the Alumni Council.

The plan, elsewhere outlined in this issue, and in future issues to be expounded and criticized in greater detail, was presented in the hope that it might afford the Institute a way for increasing its tuition revenues without at the same time working a hardship upon students who could bear no greater financial burden than now they do. In brief, Mr. Swope suggested that the tuition fee be raised, by regular amounts, to a figure more nearly commensurate with the cost of a student's education and that students presenting a satisfactory evidence of inability to pay the full sum be permitted to give the Institute a note, morally, but not legally, binding them to pay the balance when they could.

Obviously, there are several baker's dozens of morals to be drawn from this text, nor is there doubt but that within the next six months, most of them will be drawn. Any idea that can provoke such varying comments as "That was actually inspiring" and "What a perfectly rotten idea!" may not be wise, may not be feasible, may not, even, be sane, but is at least stimulating.

One truth which Mr. Swope's proposal indirectly illuminates is the insufficiency of the endowment "Drive" idea for financial salvation. We wish we knew where to find statistics on the number of millions of dollars which the universities of the country have

sought to raise (and have raised — that would be interesting, too) by various spectacular methods, in the past ten years. We surmise that the figures would be not far overtopped by the Victory Loan. The funds are enormous and . . . they are inadequate.

When, in 1920, Technology completed the highly successful campaign which added some millions of dollars to its capital funds, a few Alumni, no doubt, thought that *now* the Institute was on Easy Street forever and could, by process no more complicated than coupon-clipping, maintain itself and its staff, perhaps not in opulence, but in ample comfort. But if anyone thought so, he forgot two things. First, the Endowment Fund was raised to meet a serious financial embarrassment caused by the war-time ballooning of currency; second, (and more detached from historical circumstance) a phenomenon of financial foreshortening which so operates that, though you set any finite sum you wish for your endowment, you will always find it, in five years, less than half as great as the sum you wish you had raised.

This curious fact is beginning to impress itself on our colleges so strongly that almost it seems safe to say that the day of the intensive, exhortatory "drive" (it was a good word) is gone — at least until another decade forgets the experience of this one. Lungs are tired from crying up enthusiasms; throats are rasped from cheers; alumni purse strings are frayed from so much disbursement.

Yet universities still need funds. Specifically, Technology still needs funds. Its splendid building program is but half completed; its laboratories, well designed, well equipped, need and will continue to need, amplification; its salaries are not niggardly, but no one will deny that they need revision upward.

No one, least of all Mr. Swope, imagines that the plan he has outlined will offer perfect solution for all financial difficulties. He has not offered it as that nor as a substitute for the possible gifts of generous men. He has offered it largely as a better means than the present one of meeting the present direct out-of-pocket expense which the education of a student entails.

A simple idea, it has been pointed out, projected into a complex situation has a way of precipitating new, unforeseen difficulties even though it may absorb the old. Yet for all the criticism of detail, for all the valid doubts it has raised, for all the talk, no doubt truthful, it has created of the dangers of commercializing the Institute, of tending to make it selfishly non-contributory to the cause of community education, Mr. Swope's idea has at least the great merit of suggesting a new method of attack upon an old problem, a new port of entry, a new plane of cleavage. It suggests that money can be raised . . . quietly. Mr. Swope has already done Technology a considerable service by suggesting this much. It is good for our universities to remember that there is no necessary connection between gold bullion and brass bands.

Building Activity in Devastated France

An article reprinted from *The American Architect and The Architectural Review* by permission of the author and the editors

By

SAMUEL CHAMBERLAIN, '18

Illustrated by the Author

Beaux-Arts influence, and there is apparent evidence that the older buildings often served as models

for the new. Entirely in keeping with the hardness and simplicity of the courageous people who came back to their desolate home plots, their rebuilt homes are sturdy and unaffected. Above all, they are built to possess permanence and utility. A hayloft, a butcher shop, a wayside café and even a thing so American as a garage are often incorporated in the shells of these new homes with none other than a frank and naive motive of utility.

The favored building material is certainly a creamy white sandstone, which saws easily, can be trimmed with a hatchet, and is supple material for the modest efforts of the Italian sculptors. It has the additional virtue of hardening after being exposed to the weather

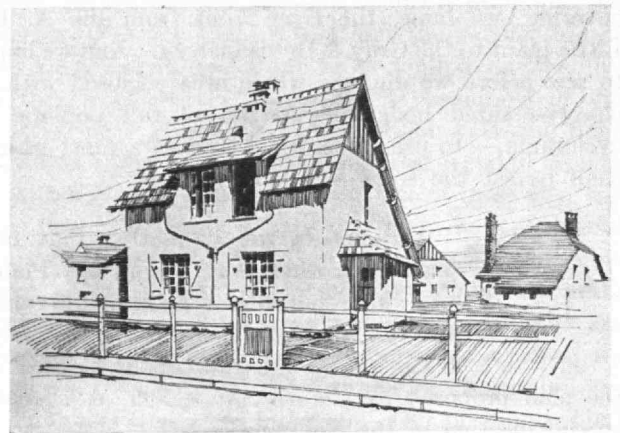


REIMS

Aisne, the Marne and the Champagne. Many are completely rebuilt, shining with creamy white walls and bright roofs, their shops painfully new, their inhabitants not yet feeling quite at home. But for every village that is complete, there are two or three about it in the course of growing up anew, bustling with activity, the streets clogged with sand and bricks and neat piles of salvaged stone, scaffolding shooting up like monolithic weeds, Spanish and Italian workmen chattering and chiselling everywhere.

At the same time, there are proportionately almost as many villages, not so fortunate, whose battered, weed-covered walls have not yet been touched, or else have been converted into temporary habitations. These are sad places, indeed, scraggly, bleak, sunbaked villages of barracks and dugouts and huts made of huge semicircular sheets of corrugated iron. But everywhere is the sign of activity, especially in the fields. No better token of the everlasting industry of the French could be found than in the progress they have made in regenerating their soil during these last five years. To get their fields in working order was more important than to have a permanent place to live, resulting in the phenomenon of these forlorn villages in the midst of prosperous fields.

The new public buildings, shops and homes are of pleasing and well calculated simplicity. There is but a very faint trace of the "villa" and ultra



TYPE OF NEW HOUSE IN THE "CITE-JARDIN"—REIMS

Striking principally in that it resembles a thousand American dwellings of the same type

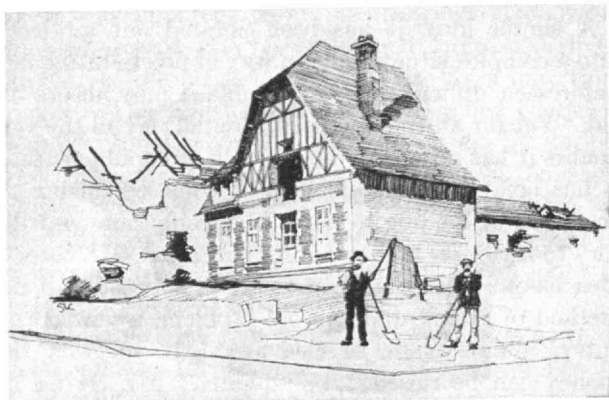
and of being quarried in the neighboring region. Huge, brilliant blocks of it are scattered in every village where building is going on.

Brick of many tones and textures is used a great deal, especially with white stone trims and lintels, and the stone salvaged from the wreckage is often made up into an attractive rubble, particularly in the rambling farm buildings.

It is gratifying to note that the fantastically awful mustard-yellow rubble houses, spotted with gaudy tiles and glaring brick ornament, and capped with weird, jutting yellow orange roofs, so plentiful in the outskirts of Paris, have not appeared in this post-war era of building. It would seem to the casual passer-by that the French architects, under the supervision of the *Ministere des Beaux-Arts*, have shown a most happy and sympathetic understanding of the characteristic needs and wishes of the country people. A rebuilt house is made to stand for centuries as its predecessor has done.

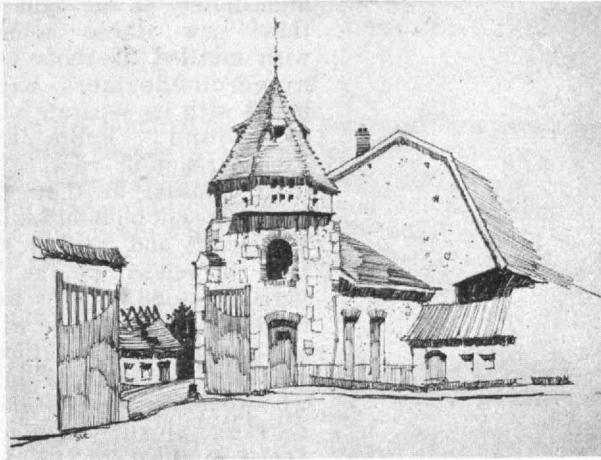
From a distance, some of the rebuilt towns look anything but hard and ugly, with their bright slate blue and orange and red roofs, their sparkling wall surfaces set in the soft green of the trees and the multi-colored patchwork of the surrounding fields.

Wooden barracks, remnants of the war, are of course utilized everywhere as temporary homes and shops,



IN THE MARNE

An interesting house in the midst of the ruins caused by the second battle of the Marne. Stucco, timbers, brick, stone and concrete all have a fling here

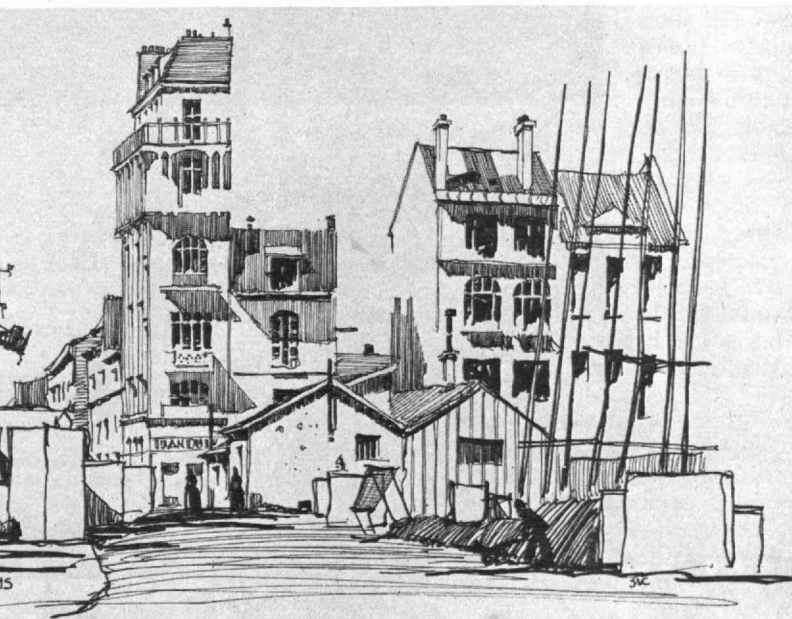
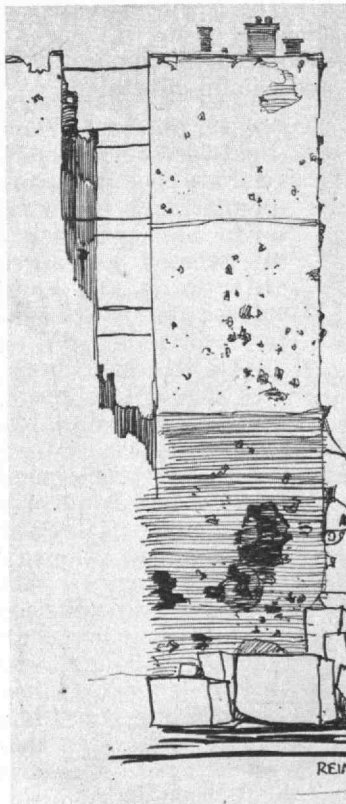


FARM BUILDING NEAR FISMES

Quite decorative in itself, but far from lacking in utility as it is used for a tool shed on the ground floor, a hayloft above and a dovecot under the shining new roof

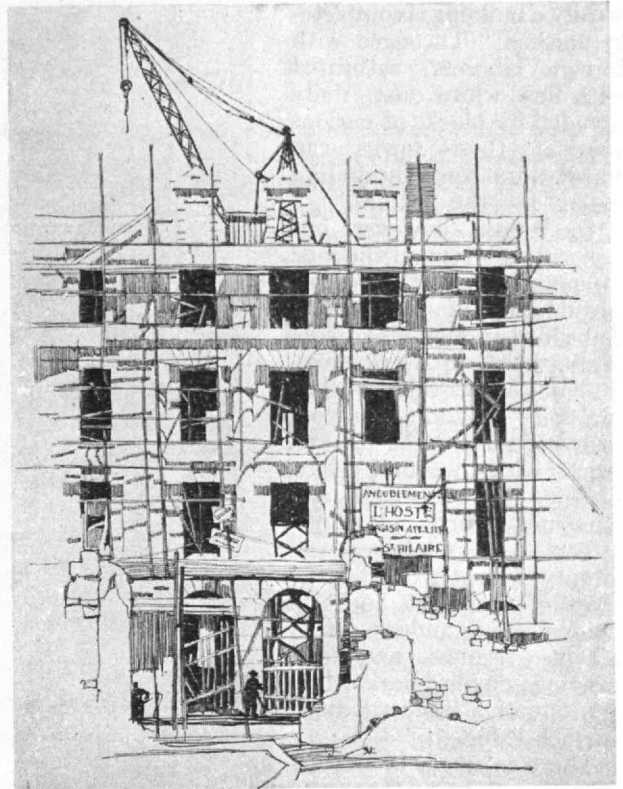
even as churches or cinema palaces. The French have an apparently deep-set distrust of frame dwellings, and only in this emergency do they take to them, with a shrug of the shoulder, going back to something more substantial as soon as opportunity affords. The housing question in Soissons was so acute that something drastic and immediate had to be done, resulting in a whole new city of small dwellings on the outskirts. But "drastic" would be a feeble expression with which to characterize these steep, angular, ugly little cement cubicles, cast like so much "Jello," and, as yet, lacking the remotest trace of a homelike feeling. It is asking

a good deal of a hearth-loving Frenchman to live in one of these, but naturally it is preferable to a rusty iron shack. Allow



RECONSTRUCTION IN FULL SWING—REIMS

A skyline quite as jagged as that of an American city, though not on the same multi-storied scale



SUNSHINE AND SCAFFOLDING ON A NEW BUILDING IN REIMS

a few years and there will be vines over the place and neat flower beds on all sides, and it will look appealing despite its gruesome lines.

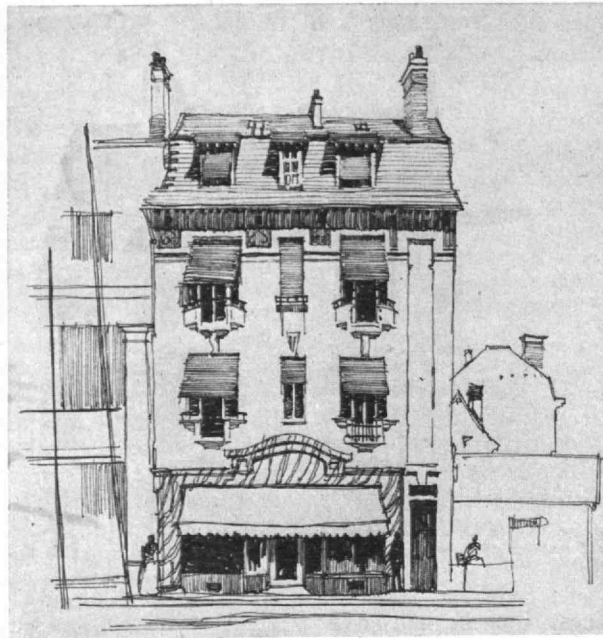
The larger towns naturally present problems of great magnitude and complexity. The whole of Fismes, and practically all of Soissons, for example, are growing up anew, often on different foundations, due to the widened streets. Many a roof tree has been hoisted, with the consequent champagne for the workmen, but

hardly a building is completely finished. Thronged with foreign laborers, saturated with fine white dust, daily invaded by blocks of curious tourists, these towns can hardly be very homelike places for the natives.

In Reims, however, one has the best view of the vast amount of work going on. Scaffolding of long poles, imbedded in mounds of concrete, shoots up everywhere; Italians are as thick as they are on Boston Common; heaps of sand, rails, lumber, bricks of a thousand colors, hollow tile, I-beams and what-not fairly clog the streets. The laborers get twenty francs a day, spend most of their two hours at noon sleeping under a shady bit of wreckage, and their evenings singing hilariously in any one of a hundred dingy barrack cafés.

There is much of the old, laborious, hand-to-hand passing stuff here, a squad of Italians madly mixing concrete on the cobbled pavement, while another slowly moving chain of them passes a bucket along until it is finally poured into the mould. Rattling concrete mixers there are, though none too plentiful, but never a sight of the elevated chute so universal in America.

On the outskirts of Reims is a newly sprouted "Cite-Jardin," a suburban development that is startlingly like similar projects in the United States. Visions of Pelham Manor or Waban, Mass., come to mind



A NEW STORE BUILDING IN REIMS

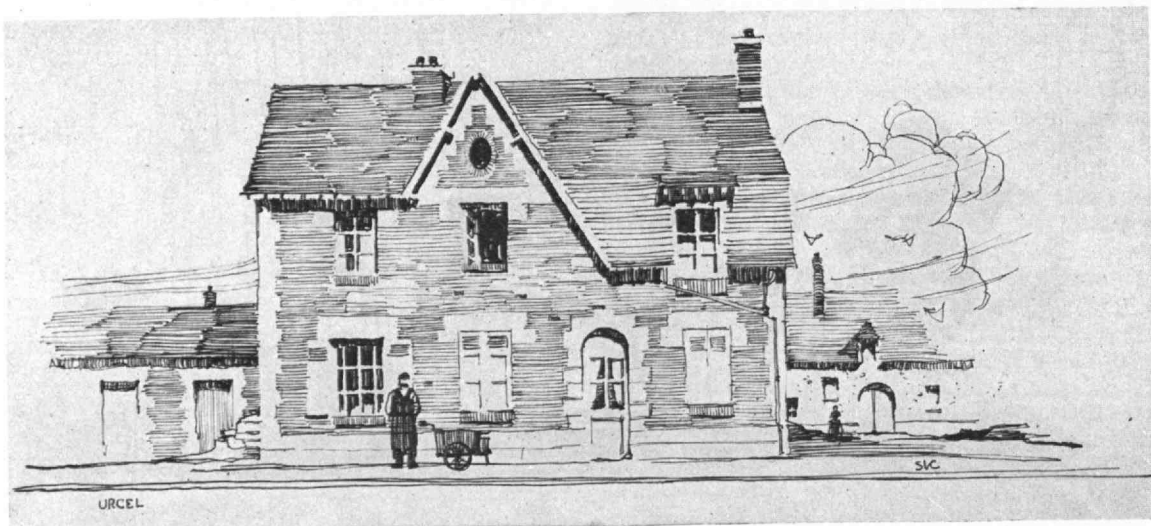
A fair example of what is growing up in the midst of the wreckage. Wall surface a brilliant white stone, shop front of composition marble, and a faint attempt at polychrome decoration above the third story windows

immediately at the sight of these new stucco homes, with mottled tile roofs and numerous dormers, each house with its separate plot of ground. From the French point of view, it is most unusual in that the houses are not built flush with the street, and neither are they surrounded by the invariable stone wall or iron fence. A conversation with the contractor of the project, a burly, bewhiskered man who would make an excellent moving picture comedy "cop," revealed the fact that much study had been given the American achievements along similar lines before this "Garden City" was laid out.

The character of the new buildings in Reims, like that of the smaller structures, is usually simple and direct, with only rare attempts to be dressy. There are a few monstrosities, of course, these nearly always being bank

buildings or department stores.

The public buildings in the city have not yet been touched, although work goes cautiously on in the cathedral. There remain vast, empty, wreckage-strewn acres to be built up. What has been accomplished is prodigious, but what remains to be done is fairly overwhelming. The Northern departments of France are unquestionably rising up anew, but the simile of the mushroom has no application here. It is decidedly a slow and painful growth.



A NEWLY BUILT HOUSE IN THE AISNE

Brick, white stone and blue slate roofing have been used here with sufficient judgment to make this a most harmonious and pleasing house from the standpoint of color

The Annual Dinner of the Alumni Association

*Not since 1920 such a meeting, nor since
1640 such a meal*

Set five hundred and sixty people to dining upon the complete chassis of a spring chicken, (add upon the same plate a gross of volatile green peas) in a space less than the Grand Concourse of the Pennsylvania Station and you create a problem in differential geometry. It was this problem which the Alumni of the Institute met and (if they did not conquer) faced down at the Annual Dinner of the Association, in the Main Hall of Walker Memorial on Saturday evening, January the fifth, 1924.

It is more important to converge the attentions upon the numbers as they exemplified interest than as they exemplified elbows. Not since 1920, when the identity of George Eastman was disclosed behind the mask of Mr. Smith, has any meeting so caught the interest of the Alumni as did this one. Perhaps they came because they knew the Blashfield Mural was to be unveiled by Colin Maclaurin, or because Dr. Stratton was to speak upon the progress of the Institute during his first year of office, or because Franklin Collier, the father of Otto Grow in the *Boston Herald*, was to heap charcoaled ridicule upon a well-selected few at the speaker's table, or because Allan Winter Rowe, '01, was to choose some 5000 faultless and fastidious words by which to tell of undergraduate athletics and other activities, or because, for climax, the Honorable George H. Moses, Senator from New Hampshire, was to speak upon the general subject of Politicks and would no doubt find time to say a few cautious words of praise for the policies of the majority party. At any rate, they came, did the five hundred and sixty, and braved the season's to-date scratch snowstorm to do it.

There are several who have testified that before the dinner, George L. Gilmore, '90, who, as President of the Association presided at the dinner, pledged his life, fortune and sacred honor to the proposition that the dinner, unlike any similar function hitherto held in America, Europe, Africa, Australasia or Polynesia, would begin, continue and end on time. Mr. Gilmore stands unbereft of his pledges only because he never specified on what time he meant. The ultimate point of his schedule read "10:00 p.m. — Stein Song led by Denison" and although it was undoubtedly no more than 10:00 p.m. in Sioux City, Iowa, when the Stein

Song was led, clocks pointed in Boston to less than an hour and a half of midnight. (Thus it was that theoretically, Senator Moses had a minus time allotment.)

At about 6:50 the Alumni, who had been choking lobby and stairs, filed into the hall and gazed upon the beauty and chivalry of the head table. At it were, O. B. Denison, '11, F. P. Collier, W. H. Robinson, '24, H. J. Carlson, '92, W. R. Kales, '92, F. R. Hart, '89, E. S. Webster, '88, A. W. Rowe, '01, Senator Moses, Mr. Gilmore, Dr. Stratton, Everett Morss, '85, C. T. Main, '76, George Wigglesworth, H. P. Talbot, '85, Alexander Macomber, '07, and A. T. Hopkins, '97.

After a few minutes' pause, and a cheer led by Mr. Denison, the dinner commenced. It was now 6:55. The chicken arrived about 7:25 and was removed, almost intact, at 7:58. Daniel in the lions' den escaped with no whit more of his physical integrity than those enchanted capons.

Throughout the course of the dinner, the Glee Club, the Undergraduate Jazz Band and J. D. Cochrane, '23, former leading man and leading lady for Tech Show, sought to keep up the spirits of the diners by exhibition of their specialties. All were successful, but none more so than the Jazz Band, which would certainly have drawn a nod of approbation from Paul Whiteman himself had he been there to hear.

By 8:25 there was definitely nothing more to dine upon, and the tables being cleared, President

Gilmore brought the amplifier into play. A neat set, files and columns, of two hundred and fifty dry cells, put a pressure of many volts behind his voice, and broadcast through the length of the hall his announcement that the unveiling of the Blashfield Mural was imminent. Accompanied by Mr. Carlson, Master Colin Maclaurin marched to the Mural (proudly, as becomes a young gentleman in an Eton Collar) and tugged at the cords which held the curtains before the painting. They parted, and the audience, grasping gradually the color, the size, the breadth of the work, applauded with all its heart. Mr. Carlson, after convoying Master Colin to his seat, returned to his rostrum and read from it the appreciation of Blashfield and his work, which appears in this issue in revised form upon page 195.



© Harris & Ewing

SENATOR GEORGE H. MOSES
Principal speaker at the here-recorded Alumni Dinner

After the singing of Technology's newest Alma Mater song, lead by the author and composer, Professor George E. Russell, '00, and reinforced by a portion of the Glee Club, Mr. Gilmore rose to announce the necessity for considering the beauty as well as the utility of Technology's Alumni—thus introducing Mr. Collier. Mr. Collier, who styled himself a ruined architect, proceeded, after a short spoken prelude, to an easel, and there, with a thick pencil of charcoal, turned the attention of the gathering to purely extra-mural decoration. Ten caricatures he drew of Alumni at the speakers' table or on the floor. His creations, skillfully shaped with hair, and rapidly executed down to the collar line, drew volleys of laughter, each time, from five hundred and fifty-nine throats. The five hundred and sixtieth throat, belonging to the cartooned subject, was scarce articulate at all. Mr. Collier's most successful venture was, perhaps, Charles Carrol Peirce, '86, whose generous and naked pate he beautifully delineated with one noble sweeping line. Least successful, oddly enough, was the likeness of Dr. Rowe, albeit the artist and Mr. Denison conferred lengthily upon the problem he presented. Mr. Collier's other victims were Francis H. Williams, '73, Dr. Stratton, Mr. Gilmore, Robert H. Richards, '68, I. W. Litchfield, '85, Senator Moses, Mr. Denison, and himself. Then in answer to a demand fortissimo and in unison from the '18 table he drew Otto Grow. Tremendous applause, under cover of which he took his leave.

Properly introduced by Mr. Gilmore, W. H. Robinson, Jr., '24, President of the Institute Committee, began a few informal remarks upon Tech Night, and mentioned the recently inaugurated four-sided tug-of-war for possession of "The Beaver" which, said Mr. Robinson, weighed two hundred pounds, was made of concrete and was symbolic of Technology. This, though none knew it, was an entrance cue. Several panting young men burst through the door, lugging between them the actual beaver, materialized in very concrete. With all possible haste they passed down the aisle and out into the night through a side window. There was good reason for their haste: the beaver, thus displayed by the Seniors at such a function, was in open season, and any of the three other classes were at full liberty to attempt its capture and to gain the prestige attendant its possession. Fortunately for the decorum of the evening, none did.

On subsidence of clamor, Mr. Gilmore performed the important but unnecessary formality of introducing Dr. Stratton to the assembly, who rose with cheers and applause to greet him. It lacked only a few days of being a year since Dr. Stratton, new to the Institute, had faced a similar audience who had spent most of the evening yelling his name at the top of their lungs and tried to express to them how it felt to begin a brand-new job after twenty years at the old one. Tonight, with a happy recollection, he referred to his alumni introduction. "One year ago," he said, "President Lowell predicted for me that I should never accomplish what I hoped to accomplish. I knew him to be right, but I realize the truth of his words now even better. And yet, I think and I hope that the past year has not been devoid of accomplishment."

He enumerated a few happenings—the establishment of the Aldred Lectures, the beginnings of an alumni scholarship plan, the \$100,000 dormitory gift. Then calmly, with no change of intonation, with no adding of emphasis, he threw two bombs, and set off a giant cracker. The first bomb was the most heavily charged. "The Corporation," said the President, "at its last

meeting authorized the immediate purchase of 592,000 square feet of land stretching west from Massachusetts Avenue, with an outlet to the river.* It has paid for this land (at 50c per square foot) a total of \$296,000 from its unrestricted funds."

Sensation, naturally. But Dr. Stratton went on. "In addition to this the Institute has optioned 722,000 square feet still further west, for which the purchase price is to be \$250,000. General Coleman du Pont has offered \$125,000 if the balance is raised in thirty days. Progress thus far leaves little doubt of accomplishment of our hope to add sufficiently to our site to permit the maximum future physical development of the Institute."

Then the Doctor let off the second charge.

"The Institute has for some time felt the need of adequate hospital facilities. The Department of Hygiene has operated efficiently but in disadvantageous circumstances. Now, through the generosity of a donor still anonymous, the Institute has been offered ample funds for a fully equipped infirmary."

Surely this was climax enough. But Dr. Stratton preferred to go on with an enumeration of the wants of the Institute that were still unfulfilled. He named more dormitories, increased laboratory facilities, particularly for physics and metallurgy, an architectural building, a gymnasium and an auditorium. Having completed this roster, and said a few appreciative words for student activities, he sat down—doubtless to commence upon the formulation of plans whereby the dormitories, laboratories, architectural building, gymnasium and auditorium could be obtained in time for announcement at the 1925 dinner.

Following upon Dr. Stratton (with only interval enough to permit Mr. Gilmore to assure those present that the next speaker needed no introduction) came Dr. Rowe. This savant in philosophy and medicine combines in his speech the rapidity of Homer with the force of Burke and the elegance of Matthew Arnold, so that when we tell you that he spoke upon the desirability of participation by undergraduates in athletics and other activities, you will know that the subject was adequately dealt with. He harked back to the ancient days of athletic chaos, complimented the Alumni that it was they who brought order out of it, and paid a handsome tribute to Frank Briggs, '81, for the part he had played in the codification. He urged upon the Alumni the vital necessity of seeing that in the present admirably ordered activities and government of and by the students there should be no deterioration.

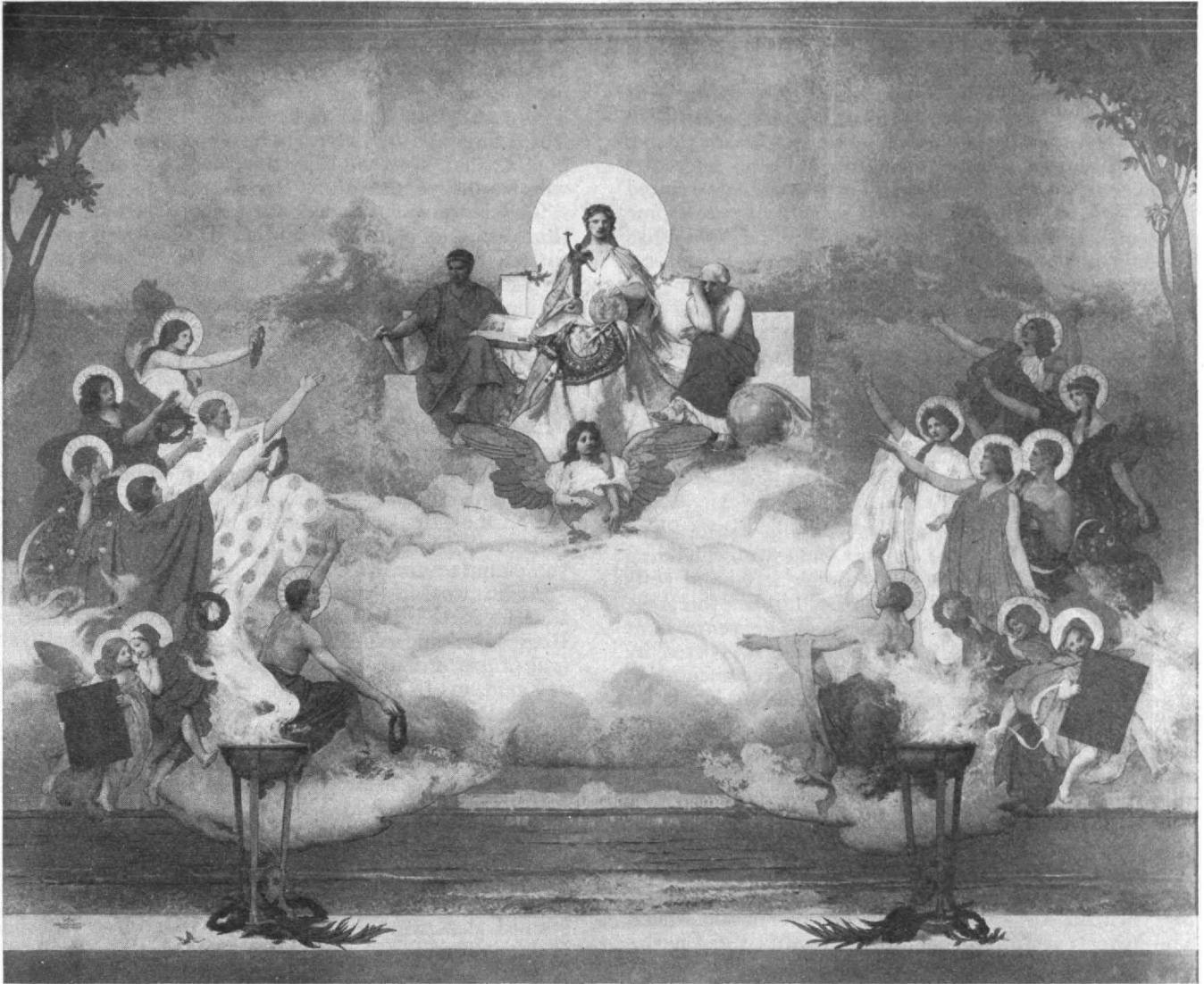
Senator Moses rose at 10.05 and spent a moment or so comparing the putative program of the evening with the actual. After he had congratulated Dr. Stratton upon the Institute and the Institute upon Dr. Stratton, after he had admired the Mural and told two funny stories, he got down to business. The business, it developed, was the taxation system of the United States, and there was no doubt but that the Senator from New Hampshire was forceful.

But this is a non-partisan magazine and so, by your leave, we are going to preserve our notes upon his speech in our file, nor spread them upon the page. We give note of a hiatus until 10:35 when Senator Moses thanked God for Calvin Coolidge, and the Alumni sang the Stein Song for good night. If anyone can't guess what Senator Moses said about the tax system, and will write to us, we shall be more than glad to tell him. He need only enclose eight cents in stamps, to defray the cost of return postage.

* See page 186.

Blashfield and the Mural

A brief description: being a revision of words spoken at the Alumni Dinner



ALMA MATER

Photo by Peter A. Juley & Son

The Mural which now decorates the north wall of Walker's Main Hall

Edwin H. Blashfield, '69, is an outstanding figure in the realm of Mural Painting. Most of you know his vigorous and colorful figures in the Dome of the Library at Congress; even better known are his later panels for the Detroit Public Library and his decorations in a well-known Boston home. Even now he is on his way to Italy to correct the working drawings made there from his mosaic designs for a great Washington building — a trip made solely and unselfishly for the success of these mosaics.

What his fellow-painters think of him is shown by his having been President of the Society of American Artists and of his receiving last year the annual medal of the National Institute of Arts and Letters. There are ten sections to this Institute — Architecture, Painting, Sculpture, History, Music, Drama, Poetry, etc., so that each section has a medal only once a decade. Ten years ago the painters' medal was given to John Sargent. This last time the recipient was our own painter, Edwin Howland Blashfield.

We expect our Course IV men, our architects, to be

By HARRY J. CARLSON, '92
of Coolidge & Carlson, Architects

artists, but when a student in Civil Engineering like Blashfield paints a decoration like this, you may be surprised. So let me remind you of other Tech artists like Charles Woodbury, '86, and Philip Little, '79, and Samuel Chamberlain, '18, and of etchers like Louis Rosenberg, '13; remind you of musicians like Arthur Farwell, '93, and his studies of Indian music, and of our soul-stirring Fred Bullard, '88; remind you of our most original artist, Gelett Burgess, '87, and then of the world-known sculptor, Daniel Chester French, '71. All these are Tech men and artists.

Now in regard to the painting itself. Beautiful as it is, it is but a fragment of a new scheme of decoration which includes the whole room. The side panels will be filled with a continuation of the trees now indicated on the edges of the group.

Mr. Blashfield describes these side panels as follows: "I propose to have trees growing straight from the floor and breaking well into the central panel, the branches passing behind the pilasters and lacing across

parts of the figures. The leaves will replace the circular shields.

"From the beginning I have seen the tree branches at and from the sides; you will see how very much they will help. I believe they'll be the real *clou de l'affaire*."

On account of studio limitations the Mural was painted on six separate canvases, and these canvases were joined together, for the first time, a few days ago. Then Blashfield and his assistant, Vincent Aderente, discovered that this method of working had resulted in making the arms of the two kneeling figures some two inches longer than they should be. Of this, Blashfield characteristically says, "We shall perform a successful and painless operation on them in the summer."

Speaking of the decoration being made in six parts, recalls the way the canvas is applied. The wall is covered with a thick coating of a mixture of white lead and varnish, and the canvas slowly rolled into it. Once this is dry, the canvas is a part of the wall.

The decoration is called *Alma Mater*, but Blashfield said humorously that it looked to him like "*A College Yell for Alma Mater*."

Now to describe the painting more in detail. The central seated figure is, of course, *Alma Mater*, holding a Victory in her right hand while her left hand rests on the Seal of the Institute. On her lap lies the great Seal of the State of Massachusetts. The world is at her feet (as shown by a terrestrial globe supported by a cherub). At her right is a personified representation of learning through the printed page, and on her left a similar figure represents knowledge through experiment.

On either side of the center are groupings of figures all turned towards *Alma Mater*. These figures represent the various branches of knowledge, such as Chemistry, History, Metallurgy, Electricity, Physics, Geology, Mathematics, Agriculture, Biology, and Design. There are also some cheerful unnamed cherubs one of which I would name Gastronomy. If it were not for the Volstead Act I might even name one of the others. The lower part of the picture represents the Charles River, with a misty suggestion of the Technology buildings in the distance, while to the right and left the sacred fires burn eternally. The whole is a delightful composition and the color is a happy medium between the very gray murals of Puvis de Chevannes and the brilliant coloring of the paintings in the Library of Congress.

The cost of this decoration was cared for by funds contributed for the special purpose, and these funds have been augmented by the enthusiasm and vision of Mr. Blashfield, who increased the scope of the work after the contract was made.

Ultimately we hope for corresponding decorations over the entrance doors. The ceiling and walls of the entire room will be repainted, using this decoration as

the starting point. The pilasters under the balconies will be removed and will give flat wall surfaces for portraits of the Institute's past Presidents. Between the entrance doors you will notice the first wall portrait, that of President Walker. This has a temporary background. The final background will be put in during next summer vacation. In the vestibule you may have noticed the bust of President Walker. Mr. Bosworth is preparing drawings for a background for this bust so that upon entering this building your greeting will be the Memorial to President Walker.

This is the first great decoration at Technology, but thoughts and efforts in this direction date from the earliest days of the School. In 1861 William Barton Rogers, before he was President and while he was still trying to bring the Institute into being, wrote as follows in speaking of the Fine Arts — "And as the plan and collections of the Institute become enlarged, giving such attention to subjects of higher art as might contribute to the efficient and practical instruction which it is the aim of the Institute to secure."

Again, in another article of about the same date, President Rogers says — "The prosperous pursuit of these departments of industry is often largely dependent on the extent of art-culture which can be brought to bear on what may be termed the æsthetic branch of the manufacture."

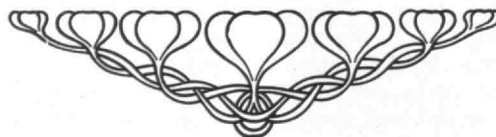
Again, we see President Rogers' interest in Art in that he in the dark ages of the late sixties, built the Rogers Building which to this day is a model of dignified and proper architecture.

Again, in 1870, President Rogers appointed Paul Nefflin to make the decorative frieze in Huntington Hall. Please remember that this was five years before La Farge started his decorations for Trinity Church and seven years before Hunt completed his decorations in the State House at Albany.

An early alumnus wrote of the Huntington Hall decorations — (and the words may be equally well applied to the decoration before us) "They drew the affection of many Alumni to their *Alma Mater*. Like stained glass windows in a church they often relieved the weight of weary words and shortened many a long lecture."

Who can measure the value to us of balanced color, of beautiful forms, of perfect composition? The whole struggle of labor is not for wages or hours, but for self-expression and for time to enjoy the beauty of life. The yearning of the whole race is for the ideal. So to the student of Technology this decoration may say — "Books and laboratory and the job are not all. Beyond that is the hope of achievement, the giving of self for others, and the faith in the things that are unseen."

It is with real pleasure and with great hopes of its value to the Institute that we receive this munificent gift. Our thanks to the unknown but most generous donors.



The Status of the Educational Endowment Fund

Figures, and upon the following page, a chart

The Educational Endowment Fund came to successful completion only a few days more than four years ago and the yearly informal report of the status of the fund is once again in order.

The statistics on this and the following page show the present condition of the subscriptions exclusive of the income derived from the gift of Mr. Eastman and from the contracts made under the so-called Technology plan.

A comparison between the figures now available and those current one year ago will likewise be of some interest. In December, 1922, the amount subscribed was \$2,927,749.87. Cancellations have now reduced this figure to \$2,915,727.79. In December, 1922, the amount paid was \$2,123,343.34. The amount now paid is \$2,237,656.67, an increase of \$114,313.33. Last year a total of 73% of all subscriptions had been paid; 12% was overdue and 15% had not then become due. This year 77% of the total has been paid; 12% is still overdue and 11% is not yet due.

It is to be seen from this comparison that, despite the considerable currency deflation which has taken place since the fund pledges were signed, all subscriptions still remain in a decidedly healthy condition. In addition to this, the statistics on this and the follow-

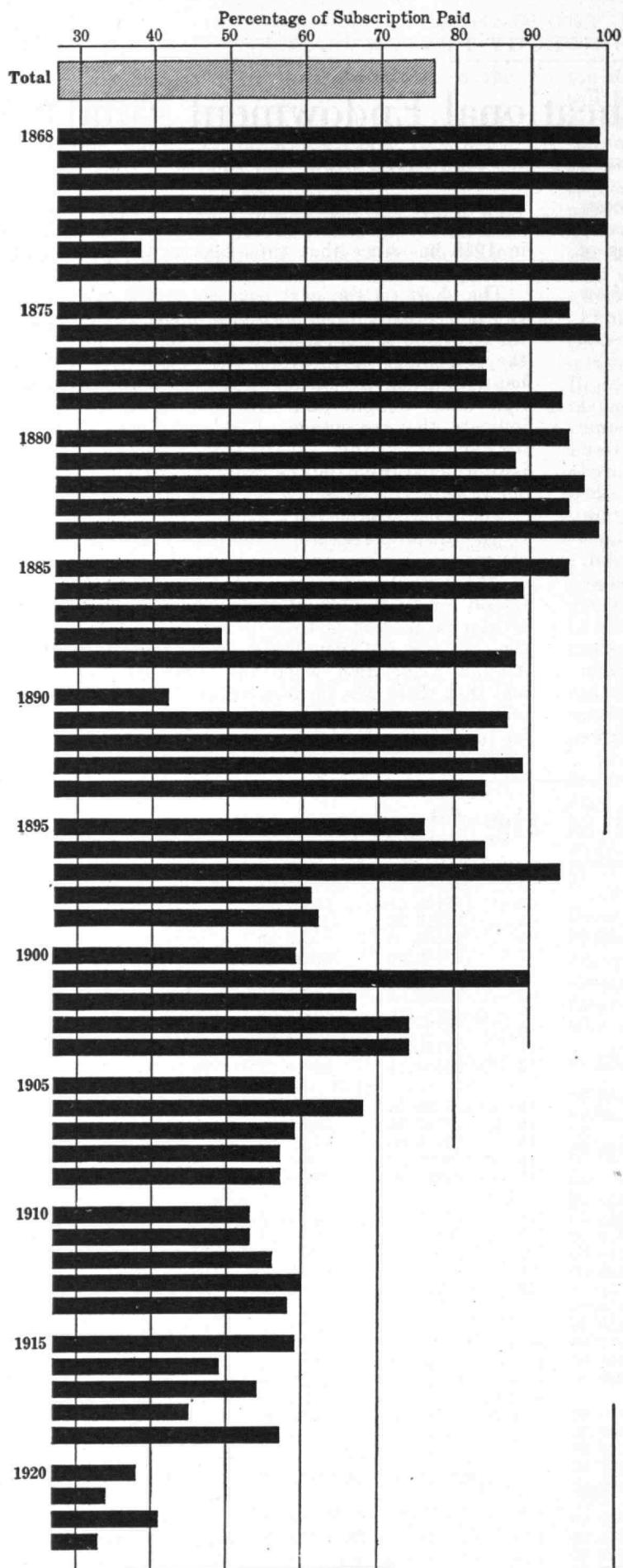
ing page do not take into account the fact that Mr. Eastman's contribution of \$4,000,000 to the Institute in 1920 has since that time appreciated by roughly three quarters of a million dollars.

The chart on the next page shows for every class, two percentages. The horizontal lines extending from the left-hand margin indicate by their terminal points the percentage of the total class subscription which has actually been paid in. The lines beginning at the right-hand margin and extending towards the left indicate the percentage of subscriptions which are unpaid and overdue. If the sum of these two figures is subtracted from 100 the result indicates the percentage of subscription which is not yet due.

The most striking fact made evident by the chart is the disproportionate delinquency of the several classes which were undergraduate classes at the time of the actual campaign. It is probable that one reason for the failure of these classes to redeem any greater proportion of their obligations is the fact that the class was not organized as part of the body of the Alumni Association when the campaign took place, and that there was no permanent class secretary who might be expected to keep the class well followed up for the prevention of delinquency.

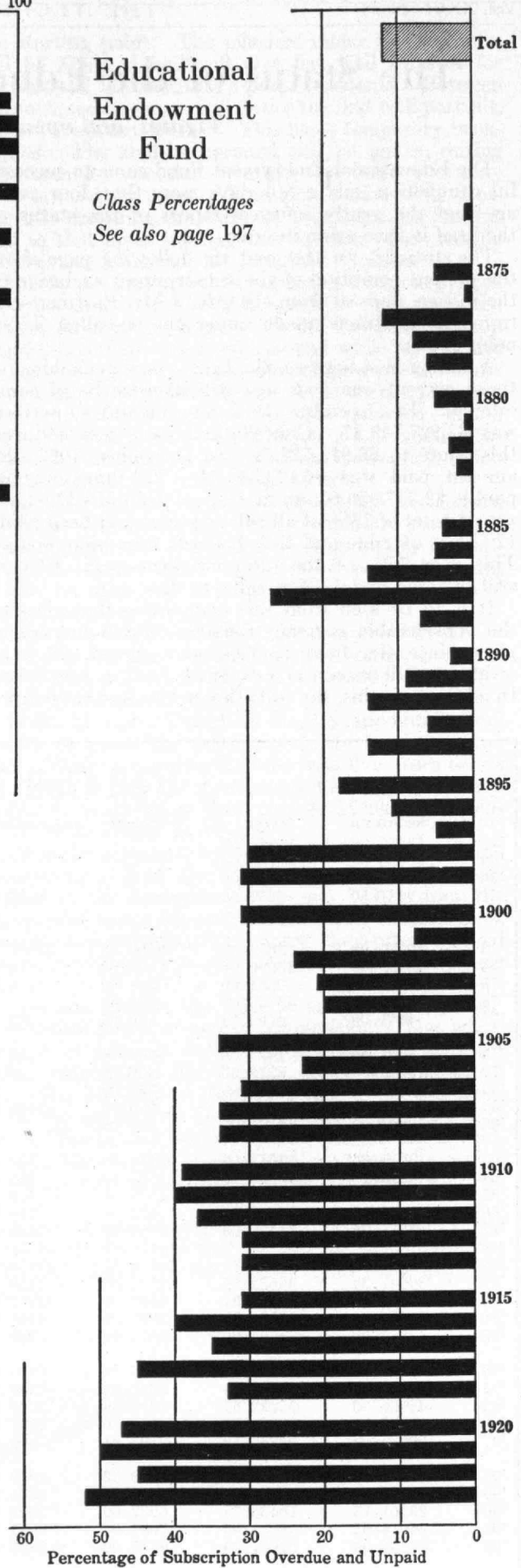
Roll Call of the Classes

CLASS	SUBSCRIBED	PAID	OVERDUE	NOT YET DUE	CLASS	SUBSCRIBED	PAID	OVERDUE	NOT YET DUE
'68	\$3855.00	\$3817.50	.....	\$37.50	'03	\$26693.50	\$19831.65	\$ 5496.85	\$1365.00
'69	760.00	760.00	.....	.....	'04	25106.25	18557.50	5101.00	1447.75
'70	5662.00	5662.00	.....	.....	'05	35328.33	20728.00	12091.76	2508.57
'71	9857.50	8857.50	.....	1000.00	'06	40089.00	27473.68	9084.00	3531.32
'72	3017.00	3017.00	.....	.....	'07	29529.20	17559.20	9069.99	2900.01
'73	59925.00	22853.32	\$166.68	36905.00	'08	18025.50	10255.50	6145.00	1625.00
'74	13135.00	13090.00	35.00	10.00	'09	18732.70	10588.70	6379.00	1765.00
'75	10390.00	9881.00	504.00	5.00	'10	19507.00	10651.35	7194.33	1661.32
'76	33205.00	32925.00	280.00	.....	'11	26781.10	14159.27	10896.33	1725.50
'77	4841.00	4062.25	570.00	208.75	'12	27469.73	15110.72	10458.98	1900.03
'78	8305.00	7025.00	680.00	600.00	'13	25508.38	15251.21	8065.67	2191.50
'79	7650.00	7210.00	420.00	20.00	'14	27787.50	15662.84	9118.66	3006.00
'80	3880.00	3680.00	200.00	.....	'15	22950.00	13527.66	7156.48	2265.86
'81	23134.12	20254.12	260.00	2620.00	'16	23606.10	11661.43	9250.67	2694.00
'82	12421.00	12121.00	300.00	.....	'17	38216.00	20515.61	13399.09	4301.30
'83	5075.00	4815.00	110.00	150.00	'18	19583.50	8773.33	8741.50	2068.67
'84	517816.10	516926.10	535.00	355.00	'19	20376.50	11417.19	7002.99	1956.32
'85	46388.00	44493.00	1575.00	320.00	'20	23444.00	8893.54	10985.13	3565.33
'86	12441.00	11028.34	632.66	780.00	'21	32882.65	11308.07	16345.58	5229.00
'87	27836.20	21446.20	3905.00	2485.00	'22	37296.25	15348.34	16652.98	5294.93
'88	109222.67	52919.35	29153.32	27150.00	'23	24599.51	7721.08	12964.64	3913.79
'89	39547.34	35632.34	2175.00	1740.00	N. T.	305364.00	274627.33	19328.00	11408.67
'90	240263.00	101910.34	5385.00	132967.66	Fac.	3260.00	3235.00	.....	25.00
'91	38286.51	33524.51	2997.00	1765.00	Corp.	64520.00	63520.00	.....	1000.00
'92	42859.00	35504.00	6075.00	1280.00	S.M.A.	675.00	424.00	217.00	34.00
'93	201650.00	179567.50	12597.50	9485.00	N.A.D.	1043.50	583.50	370.00	90.00
'94	63163.00	52988.50	8840.00	1334.50	S.O.	1544.75	1544.75	.....	...
'95	45906.00	35222.67	7878.33	2805.00					
'96	57317.00	48264.74	6395.26	2657.00					
'97	100677.00	94233.19	5793.81	650.00		\$2915727.79	\$2237656.67	\$366952.84	\$311118.28
'98	48354.00	29695.68	14648.32	4010.00	N. T.—Non Tech. S. M. A.—School of Military Aeronautics.				
'99	23454.00	14307.33	7566.67	1580.00	Fac. —Faculty. N. A. D.—Naval Aviation Division.				
'00	28261.75	16436.75	8932.00	2893.00	Corp.—Corporation. S. O. —Student Organizations.				
'01	86016.65	76933.99	7081.66	2001.00					
'02	41236.00	27661.00	9745.00	3830.00					



Educational Endowment Fund

Class Percentages
See also page 197



The One Hundred and First Meeting of the Council

Which was like the first hundred save the dinner cost two dollars

III

Olives. Radishes. Celery. An individual steak of unaccustomed shape and texture. An ice officially known, to the bewilderment of diplomats, as "French-Neopolitan." Small tables, seating six . . .

You will grasp it that the 101st meeting of the Alumni Council was *not* held in the Faculty Room of Walker Memorial on Monday, November 26, 1923, at 6:30 p.m. The day, the date and the hour all are authentic, but the place, you will have gathered from that fragmentary Carte de Jour, was other. The Council, wearied for the moment of its home-life, was dining out. Its choice, errant from stimulus of beginning upon its second hundred of meetings, had fallen upon the Engineers' Club, and in the Assembly Hall it spent its evening.

Nostalgia held the attendance down to fifty-two members and guests, no one of whom (were he not one of the three chief officers) could be persuaded to sit at the amply set head table. Alone among the Council, Messrs. Gilmore, Hopkins and Denison were unabashed by the splendor of their surroundings. At least, if Mr. Gilmore and Mr. Hopkins were abashed, they cloaked it by a sense of duty. If Mr. Denison was abashed, he established a precedent.

There was an important adjunct to the salad of the evening, but it was not an oration. It was a recitative. The artist was E. P. Collier, '78, who set the Council in a holiday mood by giving a condensed, twelve-minute version of Dickens' Christmas Carol. There was much applause for him.

When dinner was over (the hour being 8:00 p.m.) the Council set itself to business, but got, instead, another recitative. This second one was given by P. D. Sheeline, '19, and was titled, "The New University Club." It was, said Mr. Sheeline, a y'ah and a half since the project had had its conception, and it was now close to fruition. He threw out a detail or so: the site adjoined the Hotel Westminster; the building was to have seven squash courts; the land was to cost \$400,000 and the total cost would mount to approximately \$1,800,000. (These questions of finance touched a spring of memory in Mr. Denison, who began immediately upon the noisy process of counting the monies he had collected for the dinners which were now undergoing anabolization. The radishes, the olives and the celery had cost the Council an extra half-dollar, but the accounts balanced, and Mr. Denison refocused his attention upon Mr. Sheeline.)

Mr. Sheeline, meanwhile, had approached his peroration with the request that all Class Secretaries aid him by supplying his committee with a list of men in the Secretary's class who would be good prospects for solicitation. He then expressed his willingness to answer questions. H. E. Lobdell, '17, E. P. Collier, '78, and Frederick Bernard, '17, took the dare. Mr. Bernard's question, which raised the point of participation by the Engineers' Club in the project, was referred to Alexander Macomber, '07, who said that the Engineers' Club would continue its separate way.

Mr. Sheeline, having said to the Council that he would appreciate an expression of its good will, seemed grateful to Mr. Gilmore, who gave him assurance that the Council was most friendly. No vote, thought Mr. Gilmore, was necessary to guarantee good will.

At the behest of Mr. Gilmore, W. R. Mattson, '13, Chairman of the Committee on Assemblies, told of

plans for the then-approaching Annual Banquet of the Alumni Association. The actuality is reported upon another page of this issue.

A. R. Stubbs, '14, reminded the Council that another Intercollegiate Smoker was in prospect at the Copley-Plaza. He outlined an inviting program of specialty acts, college cheers, musical selections, prize fights and speeches. Tickets, said he, were this very minute available, and could be purchased for a modest sum. He hoped for a large attendance and sat down.

"What," said some Fundamentalists in the audience, "is the date set for this affair?" This seemed to Mr. Stubbs a fair question, and he supplied the missing information. It was December 17.

Then Mr. Gilmore (who seems on review to have been an autocrat for the evening, sithen few spoke without the granting of his preliminary favor) called before his tribunal two undergraduate representatives from the Institute Committee with the comment that they were to speak to the Council upon the problems of Tech Night. The Council pricked up its ears. W. H. Robinson, Jr., '24, the President of the Institute Committee, spoke first. He hazarded the belief that the Council had heard a good deal about Tech Night from one or another unauthorized source. "I guess you know that everything wasn't just right," he said, with an engaging naiveté, which prompted C. W. Aiken, '91, to rise to his feet with the question, What really did happen upon the evening?

Whereupon young Mr. Robinson set himself to a composed statement for answer. Most of the salient points of his narrative he soberly set forth that the Council might ponder, note that they were wrong and gravely suggest means of improvement. The Council, instead, punctuated the tale by hearty and indulgent laughter. Laughter was perhaps justified at the account of the four-sided tug-of-war which ended the night and in which the freshmen by virtue of a Ford Truck pressed into service had seemed dangerously close to victory until the seniors were able to bring to their aid a Packard limousine. Justified or not the Council gave evidence of much enjoyment at the previous (may it be said?) more sordid details. It was not until Thomas Bundy, '24, succeeding Mr. Robinson, said that it did not seem completely right to him that the undergraduates should be permitted to run an organized booze party, and do it in the name of the Institute, that the Council sobered. The end came when Mr. Gilmore appointed a committee of three members to act with the Institute Committee and a committee from the Faculty in suggesting reforms. Whereupon, the zealous young men, their purpose accomplished, rose to leave the auditorium and were accompanied to the door by a generous and somewhat chastened applause.

Mr. Gilmore proceeded next to the disposition of several miscellaneous items, and concerned himself rapidly with such phenomena as the election of George Gibbs, '00, to the Council as representative from the whaling district of New Bedford, the Aldred lectures, the fact that the December meeting then in prospect was not to be in prospect at all, the fact, also, that the question of alumni professional guidance for Technology engineers as discussed at the November meeting by A. D. Little, '85, and Arthur T. Hopkins, '97, was being considered. Having done so much, he suggested that the Council might now condescend to

listen to a report from the Executive Secretary. There was no audible protest. The Council settled back as comfortably as possible in its chairs and waited for the eloquence.

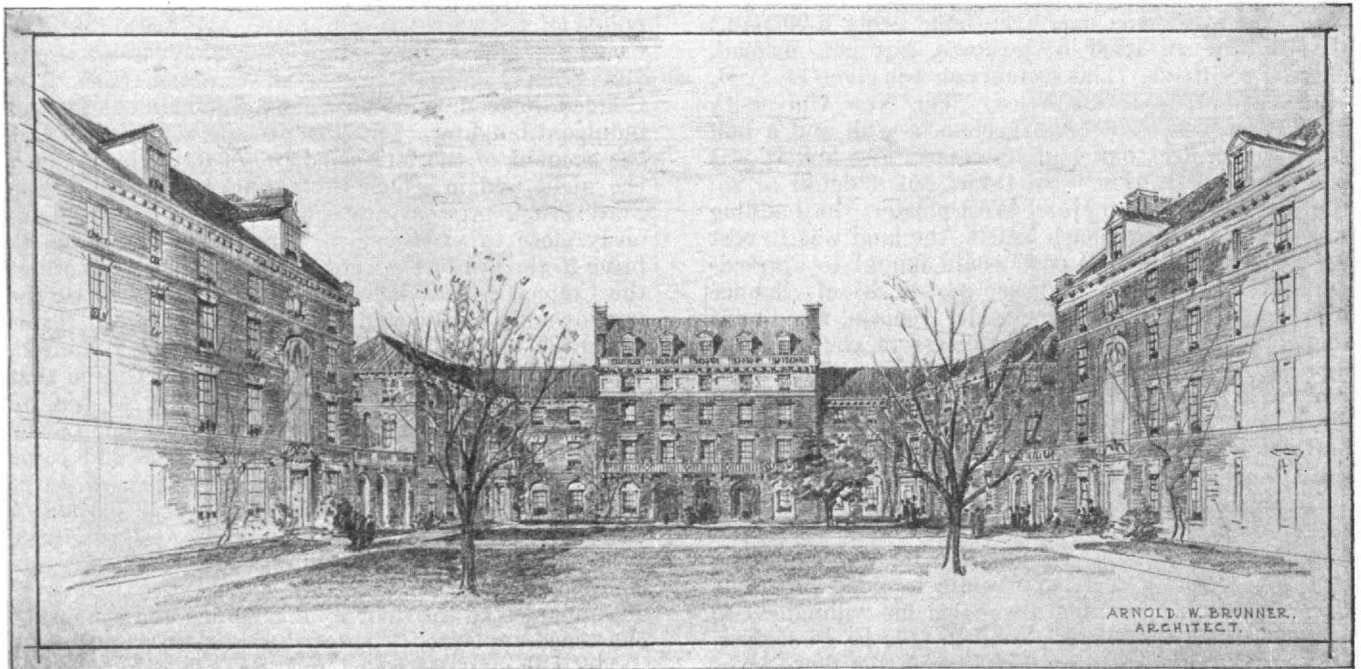
It came. Mr. Denison bravely overcame his diffidence and launched upon a report of the trip which he had interrupted to come back to this Council meeting. Pittsfield, Springfield, Worcester, Hartford, Bridgeport, New Haven and Fall River all had come within the surcharged influence of the Executive Secretary who reported that all save Bridgeport gave excellent reactions to the stimulus. Hartford, Mr. Denison had conquered in association with Dean Talbot. The other dragons of sloth, Technology's St. George slew by himself.

At the conclusion of the modest record, Professor S. C. Prescott, '94, stirred to action by Mr. Gilmore, who had announced that the Worcester club had underwritten a local scholarship to be given annually to any young man both native and clever, spoke of his recent ventures into Missouri, where in the capital city of St. Louis, the Institute's Alumni had recently made a similar provision. Professor Prescott had been in Missouri in the roll of John the Baptist, at the inauguration of Presidents at two colleges in the state.

Mr. Aiken rose to a warm indorsement of the Executive Secretary as a man and a pianist. He suggested that even though as he spoke it was nine o'clock and

three minutes more past the bedtime of the Council, that it might with pleasure and profit bemuse itself by listening to Mr. Denison perform upon the piano which had been standing wistfully in the corner all evening close girdled by its denim cover. Willing hands undraped it, and equally willing hands sought to raise its cover, but to no avail. An emissary was rapidly dispatched to find the key, but returned instead with the shocking information that the piano could not be opened by anyone unless the sum of \$15.00 was paid in advance to the holders of the key. Now it was obvious that the Council wished to hear Mr. Denison play, but it became increasingly obvious as the moments of a rather painful embarrassment mounted up, that no individual or group of individuals wanted to hear him play fifteen dollars' worth. Paderewski one might hear at Symphony Hall for the modest fee of \$2.20 — and Paderewski, it must be remembered, was like Mr. Denison no less a diplomat than a pianist. Who, then, was this Denison that his intervals were of such value? One table sought for a moment to raise a rapid contribution for endowment but the sum stubbornly refused to go above \$3.57, and upon the collapse of this boom the Council gave up the idea.

After that, there was nothing much more to do, except adjourn, and so the Council did it. The first hundred meetings were the hardest.



[Reprinted by permission from The American Architect]

PLAN FOR MEN'S DORMITORIES AT DENISON UNIVERSITY

From a sketch by Arnold W. Brunner, '79

TECH MEN IN THE PUBLIC EYE

J. M. HOWELLS, '90, AND R. M. HOOD, '03

At the end of the War, the Commission for Relief in Belgium found itself with certain monetary balances on hand. These had accrued partly through profits from sale of food to those able to pay, and partly through sale to persons and countries outside of Belgium. The disposition of these balances was referred to the Belgian government, which requested Herbert Hoover to outline a plan. Under this plan, which was accepted by the Prime Minister, two commissions were formed to replace the Commission for Relief in Belgium. These are the Commission for Relief in Belgium Educational Foundation in America, with Herbert Hoover as president, and the Foundation Universitaire in Belgium, with Emile Francqui as president.

The Commission for Relief in Belgium Educational Foundation in following out its purpose of assisting Belgian education and promoting the exchange of intellectual ideas between Belgium and America, among other undertakings, entered into an agreement with the University of Brussels for the erection of certain buildings for the University at Brussels.

After considerable study, it was decided that this group of university buildings should be erected in a new quarter of the City of Brussels near the Bois de la Cambre. The land was largely controlled by the City of Brussels which has given the fullest coöperation to the plans of the University and the Foundation.

As this brought in the question of architectural advice John Mead Howells, accompanied by Raymond M. Hood, was sent to Belgium and, together with the resident members of the Commission for Relief in Belgium, obtained the desired land from the city.

The program for the competition was finished and translated in Belgium and five Belgian architects were invited to compete, after a study of work and apparent ability. The plans submitted were examined by experts for the areas and cubical contents, and were during the week of November 5 to November 11 judged by the jury, as designated in the program, with the following membership:—

Herbert Hoover, President of the Commission for Relief in Belgium Educational Foundation and Honorary President of the Foundation Universitaire; Dr. Paul Heger, President of the University of Bruxelles;

Professor Auguste Slosse, of the University of Bruxelles; Arthur Brown, Jr., D. G. F., San Francisco, Corresponding Member of the Institute of France; and John Mead Howells, D. G. F., New York, Consulting Architect to the Commission for Relief in Belgium.

—*The Am. Architect and The Architectural Review.*

IRVING B. CROSBY, '17

Boston may at any time suffer from a severe earthquake with loss of life and destruction of property, according to Irving B. Crosby, a Boston geologist. His statement is interesting in the light of the recent Japanese disaster.

Although few Bostonians know it, more than 200 earthquake shocks have already been recorded in this city and its vicinity since 1683. Four of these shocks were of really destructive intensity.

These are only two of the surprising facts brought out by Mr. Crosby in discussing in the *Sunday Globe* today the earthquake risk in Boston. A scientific presentation of the same subject by Mr. Crosby appears in the current issue of the *Journal of the Boston Society of Civil Engineers*.

Mr. Crosby is a graduate of the Institute of Technology and of the Harvard Graduate School, where he specialized largely in seismology. He is the son of W. O. Crosby, noted geologist, who was for thirty years on the Faculty of the Institute of Technology.

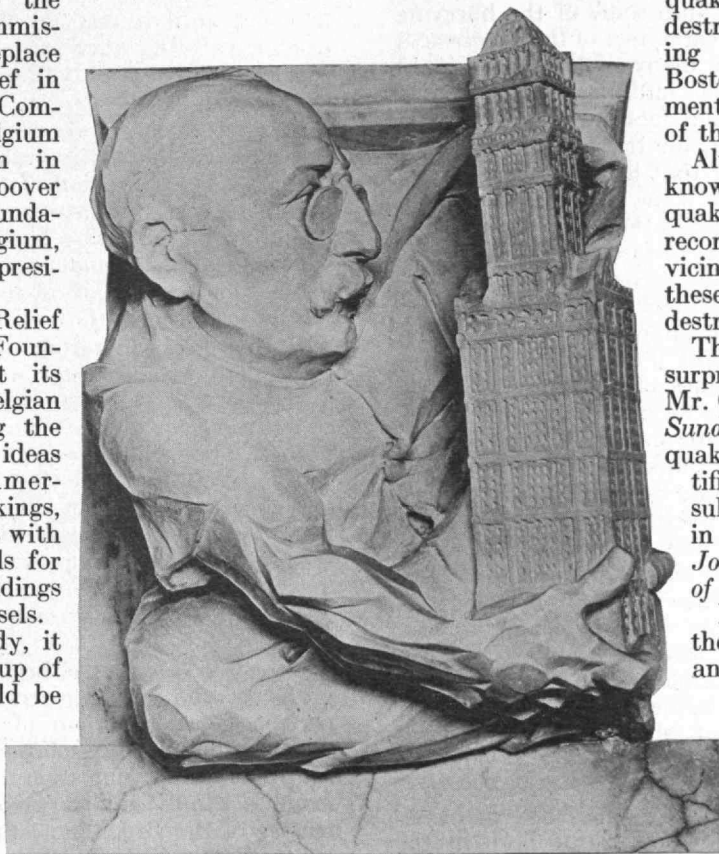
Mr. Crosby says: "The common belief that Boston is immune from de-

structive earthquakes is unfounded and it is among the possibilities that a shock may occur at any time which would cause terrible loss of life and destruction of property similar to the recent disaster in Japan.

"There have been four severe earthquakes in Boston or its vicinity since the region was settled and more than 200 shocks have been recorded since 1683. Several earthquakes, including one in 1905, have occurred within the memories of those now living in Boston.

"There is no reason for believing that a severe shock may not again visit the city, and, indeed, such an occurrence is probable.

"Much of our modern construction is less adapted to withstand earthquake shock than that of the 18th century, and a disturbance equal to the great shock of 1755 in Boston would cause far greater damage than



CASS GILBERT, '80

Photo by Keystone View

A little-noticed grotesque of the architect decorates the entrance to the Woolworth Building

occurred at that time, especially since large sections of the city are now on made land, which furnishes a much less stable foundation.

"Our business districts generally have unsatisfactory foundations, but many of the suburban districts are more favored. The worst conditions are in the Back Bay and the best in the higher parts of Roxbury, West Roxbury and Dorchester. The earthquake risk in Boston calls for careful consideration in the future development of the city."

—*Boston Sunday Globe.*

CASS GILBERT, '80

If one were walking down Broadway with eyes and mind centered on a study of the architecture of the high buildings, and should stop some of the hurrying crowd to ask, "Who was the architect of the Woolworth Building?" we wonder how many of the asked could tell. No one would lack the information that it was the Woolworth Building; that fact is probably known from Maine to Kamchatka, for the fame of the five-and-ten shops is something that has travelled around the wide world. Probably some of the folks asked could tell you, without hesitation, the number of stories the building extends toward the skies, and a few might guess at the money it cost.

But the name of the architect — well, we wonder. It would be the same with almost any building you might name; in fact, we doubt if one person in a thousand could tell you the names of three architects to whose genius and knowledge we owe the wonder of the outstanding down-town skyscrapers.

This is not right, and we think something should be done about it. How proceed? is the question. If we were advertising the Woolworth Building, we should be proud to state that the man who made it possible was Cass Gilbert, just as we should point out the fact that the painter of our favorite picture was, let us say, Wyant or Murphy or Innes. No traveler in London would fail to be reminded that St. Paul's Cathedral was designed by Sir Christopher Wren, or visitor in Rome would miss the name of Michelangelo in looking at St. Peter's. But Mr. Gilbert's cathedral of business, as it has so often been called, is quite as great a wonder, in many ways greater.

We go about the Old World, guide-book in hand, picking out famous buildings and taking pride in the knowledge that we know the names of the men who built them. We should be ashamed to be lacking in the same interest in the work of our modern men of genius and imagination.

—*Architecture.*

DESMOND FITZGERALD, Corp.

In recognition of his eminent service to the profession, especially his accomplishments in the field of hydraulic engineering, the American Society of Civil Engineers at its annual meeting received Desmond Fitzgerald of Brookline, Mass., as an honorary member. The society is the oldest of the national engineering societies and Mr. FitzGerald is one of its past presidents.

On presenting his name for honorary membership, Leonard Metcalf, '92, said that Mr. FitzGerald, after several years' experience in railroad work, in 1872 entered upon his life work as an hydraulic engineer by taking up the study of the sources of water supply for Boston. He was the first superintendent of the Boston

Water Works in the western division and later department engineer of the Metropolitan Water Works of Boston.

"He designed and constructed some of the largest and most important storage reservoirs built by the city," said Mr. Metcalf. "During this period, his attention was arrested by the problem of maintaining the purity of water supplies and their sources. He did pioneer work in making a thorough study of the conditions upon Pegan Brook in Natick, one of the sources of Lake Cochituate which was polluted by manufacturing wastes and municipal sewage. With the friendly assistance of the city attorney, he brought suit to compel the elimination of pollution, one of the first, if not the first suit of its kind in the country. For seven years this suit was fought actively from court to court until it reached the Supreme Court of the Commonwealth, where the case was won. This litigation advanced greatly the cause of pure water supplies in this country.

"His study of methods for reducing the color in water led to systematic draining of swampy areas and bleaching by the action of the sun. He was the first to design and put into practice, before the days of filtration, the stripping from reservoir sites of all soil containing organic matter and eliminating of shallow flowage on the margins of reservoirs.

"He established the first and, for many years, the only biological laboratory operated in this country in connection with a water works system. In 1899 he did important work as chief engineer of the special commission upon the Chicago Drainage Canal. He served on a commission appointed by the Secretary of War to investigate the Lydecker tunnel, for the supply of water to the City of Washington. In 1904 he served as consulting engineer on the water supply and sewerage of Manila, in the Philippines. For the metropolitan commission of New York, he studied the degree of cleanness necessary for the waters of New York Harbor.

"Mr. FitzGerald has been much interested in civic problems and given generously of his time and experience — as chairman of the Topographic Survey Commission of Massachusetts; as a member of the Metropolitan Commission of Boston, for which he made a study and reported upon foreign harbors; trustee of the Brookline public library; senior warden of St. Paul's Church in Brookline, and as an active worker during the war period.

"Mr. FitzGerald's love of the artistic has found expression in his careful study of good proportion and attractive lines for engineering structures; his study of nature and defence of the public domain; his interest in art and photography; and in his establishment in 1913 at his home in Brookline, of the FitzGerald Art Gallery which he maintains free to the public. In the latter, he has gathered a notable collection of the work of the early French impressionists — Monet, Sisley, Pizarro and others, and of Dodge MacKnight, and fine examples of American, Korean and Chinese pottery.

"He is a past president of this society, the Boston Society of Civil Engineers and of the New England Water Works Association. Mr. President, the American Society of Civil Engineers honors itself in recognizing the professional career of Mr. Desmond Fitzgerald, distinguished hydraulic engineer, pioneer in the field of the preservation of the purity of water supplies, student of nature and art."

ATHLETICS



WILLIAM HAINES

Who comes to the Institute from Harvard as Coach of Crew

IN PRAISE OF ROWING AND OF WILLIAM HAINES

The Alumni of the Institute, everyone interested in rowing, and the many friends of William Haines, have reason to be gratified by his recent appointment to the coaching staff of the Massachusetts Institute of Technology.

Rowing is one of the best of the sports. Without a peer as a body-builder, it has but few rivals as a source of pleasure. It is the only major college sport in which the graduate, as an amateur, is at all likely to engage during after life.

To make rowing popular, little is needed by way of introduction, but much may depend on the beginnings of the friendship. To have been given his first lessons in rowing by a successful and enthusiastic teacher, whose personality no less than his skill made effort a pleasure, was the good fortune of anyone who began his rowing experience under the instruction of William Haines.

Mr. Haines is a professional rowing man of the finest type. Like many Englishmen, he took to aquatics at an early age, and becoming an accomplished

sculler and oarsman, in the course of his racing experience won championship races both at home and abroad. His services as a coach and trainer came to be in demand, and in this field he was equally successful.

Twelve years ago, at the invitation of the Union Boat Club of Boston, Mr. Haines came to this city to accept the position of coach to the club, in which position he has continuously remained. His activities at once kindled interest in racing and rapidly led to the development of Union Boat Club crews capable of winning the Stewards' Cup in this country, and of sharing with a Harvard University crew the distinction of filling the final heat in a race for the Grand Challenge Cup at Henley. Sculling also prospered under the teaching of Mr. Haines. Members of the club, hitherto content to paddle about, found themselves capable of better things, and, when properly rigged and boated, and taught some of the fundamentals of the art of sculling, proved successful competitors in regattas at home and elsewhere.

Meantime, non-racing members found in Mr. Haines an enthusiastic sculling or rowing mate who speedily introduced them to the joy of a good stiff paddle at the end of a day's work as the best of all remedies for fatigue. Many a man, fagged by the activities of the day, has gone to his dinner with an appetite, and to bed with assurance of sound sleep because of an invigorating half hour spent in a double or a "quad" with Haines in the boat, ending with his cheery "Well rowed," and perhaps a jolly song in the dressing room.

As a college coach, Haines has made his mark. The first Harvard crew under his charge won from Yale in time which established a record that still stands, while the last Harvard crew able to defeat Yale was coached by him and stroked by a youth who, as a school-boy, took his first rowing lesson from Haines.

Popular with his pupils and beloved by them, Haines has earned their regard through his skill, his patience, and the temperamental qualities which enable him to correct faults without harshness and to hearten rather than discourage a sculler who fails to make progress, or a crew which is "going badly."

Esteemed by the rowing community at large, Haines has won the respect of his competitors no less by his ability than by the sterling quality of his sportsmanship. Unfairness, trickery, and deceit are unknown to this man, whose refreshing honesty of purpose and love of fair play have done much to raise and to stabilize rowing standards. His instructive helpfulness extended to many an oarsman not under his professional charge has borne fruit in improved quality.

Mr. Haines, as he enters a field of activity rich in opportunity, is to be congratulated.

—George Burgess Magrath, Union Boat Club.

ATHLETIC RESULTS UP TO JANUARY 15

Basket Ball

- Jan. 5— M. I. T. 31, Northeastern 26, at Cambridge
 Jan. 9— Harvard 26, M. I. T. 16, at Hemenway Gym.
 Jan. 12— Brown 33, M. I. T. 27, at Providence

Hockey

- Jan. 9— Harvard 7, M. I. T. 0, at Arena, Boston

Rifle Shooting

- Dec. 8.—M. I. T. 500, University of Maine 487
 Dec. 12.—M. I. T. 496, Boston University 495
 Jan. 12.—M. I. T. 499, Harvard 490

Wrestling

- Jan. 11— M. I. T. 16, B.Y.M.C.U. 13, at Cambridge

THE CALENDAR OF FUTURE SPORTS

- Feb. 1—Basket Ball, Stevens Institute of Technology at Cambridge.
 Feb. 2—Swimming, Amherst at Amherst.
 Feb. 2—Track, B. A. A. Games at Boston.
 Feb. 2—Wrestling, U. S. N. A. at Annapolis.
 Feb. 8—Basket Ball, Brooklyn Polytechnic Institute at Brooklyn.
 Feb. 8—Swimming, Wesleyan at Wesleyan.
 Feb. 9—Basket Ball, C. C. N. Y. at New York.
 Feb. 9—Hockey, Dartmouth at Hanover.
 Feb. 9—Wrestling, U. S. M. A. at West Point.
 Feb. 16—Basket Ball, N. H. State College at Cambridge.
 Feb. 16—Hockey, U. S. M. A. at West Point.
 Feb. 16—Swimming, U. S. N. A. at Annapolis.
 Feb. 16—Track, K. of C. Games at Boston.
 Feb. 16—Wrestling, Brown at Cambridge.
 Feb. 20—Wrestling, Harvard at Hemenway Gym.
 Feb. 21—Basket Ball, Vermont at Cambridge.

HANDICAP CONTESTS

In accordance with the general policy of promoting athletics among the largest possible number of students rather than for the development of star performers, the Advisory Council on Athletics has voted to establish 12 yearly awards of trophy cups for the most consistent improvement in specified track and field events. The plan which was proposed by Dr. T. J. Conner, track coach, provides for the holding of a series of 10 handicap meets in which all students at Technology, whether eligible for varsity competition or not, will be permitted to take part.

Handicaps are to be based on the best previous per-

formance of the contestant, and the record of each in the series of 10 meets will determine the awards. The ratings will be planned to practically eliminate the varsity stars from winning, as the rewards are intended to maintain the interest of men incapable of attaining team positions, and reward them in this way for marked improvement.

Eight of the 12 trophies are for field events and only four for running contests. This is because of the particular weakness of the Tech teams in these departments which it is hoped the new plan will help to remove besides serving as a training school for the varsity.



Photo by Craftsman: Courtesy Technique 1925

LAST FALL'S UNSCORED UPON SOCCER TEAM SUCCUMBS TO FLASH POWDER

Standing, left to right: L. W. Cummings, '26; A. O. Shepard, '25; C. Young, '25. G. W. Humphreys, '25 (Mgr.); F. C. Lin, '26; H. W. Jones, '26
 Seated, left to right: A. Santos, '24; S. Y. Lew, '24; M. E. Ruiz, '25; C. O. Dueve, '24 (Capt.); A. K. Sun, '25; A. Marques, '26; C. E. Knight, '25

NEWS FROM THE ALUMNI CLUBS

TECHNOLOGY CLUB OF PARIS

In the first part of October I was able to get together a few men for lunch at the Cercle Interallie to meet Dr. Stratton. This luncheon was attended by the following: Alexander S. Garfield, '88; Reginald Norris, '96; Rudolph W. Riefkohl, '09; Charles B. Glann, '16; Morris Parris and your humble servant. I sent out invitations to quite a few other alumni. Some were unable to come and others I never received an answer from.

The lunch was very informal. During the course of the lunch Dr. Stratton very earnestly insisted that we form some kind of organization over here and appointed Alexander S. Garfield, '88, to the Presidency. It was a downright pleasure for us to have had a chance to meet the President.

I have just been able to chase up the following alumni and to get some news from them: Alexander S. Garfield, '88, is very much in evidence in the Paris technical world as the Chief Engineer of the Compagnie Francaise Thomson-Houston; Harry Needham, '04, is an engineer with the International General Electric Company at 4 rue d'Aguesseau; E. P. Allis, Jr., '71, sends me a card from Mentone saying that he is going to look me up when he gets to Paris; William A. Hall, '88, is over here doing chemical and metallurgical research work. He is at present in the Pyrenees looking into the development of phosphates in that region. I received a very interesting report on his investigations. He is to be reached c/o Bankers Trust Company, 3 Place Vendome, Paris; Ray Bobb Walter, '16, the collegiate tramp, is Assistant Secretary and Credit Officer of the Paris office of the Guaranty Trust Company. I have already written you that J. B. Farwell, '13, is General Manager of the French Worthington Pump Company. I had a talk with E. S. Chapin, '96, over the 'phone last month. He is with the Reparations Commission and has promised to write me about his work. No news as yet. H. L. Green, '02, is rushing around Europe for the U. S. Army; R. W. Riefkohl, '09, is studying at the French Government Superior War College. I have not heard from A. S. Horton, '20, recently and presume that he is still doing chemical research at the University of Toulouse. L. C. Hibbard, '17, is with the Reparations Commission. R. Norris, '96, is Chief of the dye and colouring matter division of the Reparations Commission. Charles B. Glann, '16, is doing research work for the Vacuum Oil Company. It is rather interesting to note that Glann was signal officer at the front in the section from which Whittlesey's "Lost Battalion" started. Charles I. Barnard, '73, I have reserved for the last. Mr. Barnard is one of the most imposing and well-known characters in Paris. He has been here for many years in newspaper work. Both Dr. Stratton and I were very sorry that we were unable to get him for lunch.

I have a list of five "lost, strayed and stolen" to wit: Charles Mower, '88, left Paris in 1921, very ill. He is presumably now in London. Upon writing to S. H. Allen, '09, at an address given me by Mr. Denison, I was advised that he had left without leaving an address. H. A. Sweetser, '11, left the Embassy here in 1921 and returned to the U. S., presumably to Boston. A letter written by me to G. W. Bakeman, '13, after having been to several addresses was returned to me marked "parti." H. S. Kiaer, '21, is reported as unknown at the address sent me by Mr. Denison.

I have been unable to get any news from or about the following Tech graduates who are reported to be in France: Simon Freed, '20; Mr. Dirk J. Luyx, '22; Rene Roger-Marvais, '05; Clarence J. Berry, '13; W. H. Watkins, '95; Albert W. Iasigi, '80; Miss Frances Stern, '13; Jean Lepicier, '22; Conrad H. Slade, '97; and Earle R. Stewart, '21.

I have just heard in a roundabout way that Professor Spoford was over here this summer. What I think of his not letting the official local Technology representative know of his presence is not fit for publication.

McCeney Werlich, '15, *Secretary*,
3 rue Taitbout, Paris, France.

WASHINGTON SOCIETY OF THE M. I. T.

At the regular Friday luncheon meeting of the members of the Washington Society on December 14, Mr. Stephen Childs gave an interesting talk on a bill just submitted to Congress having to do with Washington's Park System. The bill, Mr. Childs explained, proposes the establishment of a Park

Commission in order to make it possible to develop the parks of Washington and the vicinity to develop along logical and rational lines for the interests of the whole city. The situation at present is such that the District can not acquire any property for park purposes without a special bill being presented to Congress for each individual parcel of land to be considered. Consequently, nothing gets through. The bill, as explained by Mr. Childs, proposes a commission composed of, among others, the Engineer Commissioner of the District, the Chairmen of the District Committees of the House and the Senate, and the Officer in Charge of Public Buildings and Grounds, with a definite appropriation each year, the Commission to have the authority to acquire property for park purposes in the District and the surrounding country.

The Engineer Commissioner of the District of Columbia at the present time, Major J. Franklin, was present and spoke on the urgent need of such a bill, saying that he would like a good representation at the hearing to be held soon. Major Bell's Assistant, Captain Wood, was also present.

About fourteen men attended the luncheon.

W. Malcolm Corse, '99, *Secretary*,
1901 Wyoming Avenue, Washington, D. C.

M. I. T. ASSOCIATION OF BALTIMORE

Our epochal day, December 14, has come to pass. And now our little M. I. T. bunch moves about on its hind legs.

The advent of President Stratton's coming to Baltimore was as per plans and specifications. It was more than a local alumni association affair; it bore distinct community interest. At the alumni dinner to Dr. Stratton, which was a little departure from the overworked usual hotel dinner (we had a specially catered M. I. T. affair with genuine Southern cooking, at the Fairfax Inn), forty-six (count 'em!) alumni good and true turned out. Aside from the inner man phase of this affair, on which Dr. Stratton volunteered the comment that it was by far the best dinner he had had since he has been "on the road", his talk to us was of compelling interest, and shed a high candle-power light,—particularly for the older alumni—on the present-day Technology, its activities, its aspirations, and the potential power for good of its alumni. His time with "just us" was unfortunately all too short, although we had already encroached upon the scheduled time for the meeting at the Engineers' Club immediately following our dinner.

The meeting at the Engineers' Club Friday evening, following our alumni dinner, was, as previously arranged, a joint meeting with the local branches of the A. I. E. E. and A. S. M. E., with other engineering societies affiliated with the Engineers' Club being invited. Here a gathering of about one hundred fifty men listened to Dr. Stratton's talk on "What Do The Industries Expect of the Technical Graduate?"

Saturday forenoon, December 15, Dr. Stratton spent in visits of inspection, these including the Weiskittel plant, manufacturers of stoves, cooking ranges, and more particularly of enameled sanitary ware, the trip being made on invitation and guidance of Francis A. Weiskittel, '19; and a trip around the harbor of Baltimore, on the invitation and guidance of Bancroft Hill, '11, Harbor Engineer of the City of Baltimore (and incidentally one of only two Republicans in the entire Democratic city administration).

Dr. Stratton had to rush a bit for his prearranged talk at the City Club at their Saturday luncheon meeting. Here, before a gathering of about one hundred fifty men of various walks of life, Dr. Stratton talked on the present and growing importance of the technically trained man in all branches of industry.

Your Secretary, although closer to Dr. Stratton than the rest of the alumni during his brief visit here, through having met him at the train (together with Dave Bridges, '05), being with him through Friday evening, sitting with him (and the President of the City Club) at the head table at the City Club luncheon meeting, and seeing him off alone to the train Saturday afternoon, was very much impressed, in common with all the alumni who came out to meet him, with his extreme modesty, plainness, and ardent sincerity of purpose and largeness of vision in matters technical and Technological.

Here go our hats off, with a regular "M. I. T." with three Dr. Strattons.

Aaron Goodman, '18, *Secretary-Treasurer*,
2845 North Calvert Street, Baltimore, Md.

DETROIT TECHNOLOGY ASSOCIATION

With Detroit as with several other mid-west alumni centers the principal event of December was the happy visit of our new Alumni Executive Secretary, Orville B. Denison. His coming to Detroit for two days was the occasion of injecting into the crowd a fine renewed spirit and the chance for the airing of a lot of determined but silent thoughts some of the old grads had been harboring. And, too, his coming was the occasion of some terrible weather.

Mr. Denison found in our local President, Minot Dennett, an old chum and classmate, and so Dennett took the best of care of the distinguished Secretary while here. It is reported that the guest took five minutes off to change his collar.

A fine crowd came out to the University Club for dinner where Mr. Denison told his story of the Tech of today augmented with the movies. It proved most interesting of course to us, as it will to all who will or have heard it. Mr. Denison's personal charms have been told before, but we must add that his affability, Tech enthusiasm and unusual entertaining ability made his presence with us in Detroit delightful.

The Intercollegiate Alumni Bowling League is now functioning and Tech has been participating. C. L. Tuller, Minot Dennett, Carl Buck, J. M. Hawley, '93, and A. L. Moses are among the Holy Rollers this year.

Chuck Loomis, '17, has left Detroit and gone over to East Lansing to live (432 Abbott Street).

Louis Williams, '02, has been pretty busy as the President of the Detroit Engineering Society, which has just purchased a fine piece of property for its headquarters.

H. W. Alden, '93, is head of the Automotive Engineers Society, which will hold its big convention in Detroit shortly.

Milton Pettibone, '17, announces the birth of his first child, a darling daughter.

Philip C. Baker, '16, *Secretary*,
768 Penobscot Bldg., 1168 Edison Avenue, Detroit, Mich.

TECHNOLOGY CLUB OF PHILADELPHIA

The Technology Club of Philadelphia lost a very active worker when Lieutenant Commander E. M. Pace, '17, was transferred from League Island to Washington. Dexter A. Tutein, '17, who served as Secretary and Treasurer for the past two years, was elected Vice-President to fill the office vacated by Mr. Pace.

"Behold the bridegroom cometh." A. H. Kinghorn, Jr., '20, sprang a surprise on us recently by abandoning a well-ordered bachelor's life.

At the December meeting, S. J. Ziegler, '17, described the construction of the Shenandoah (ZR-1), which was built at the Philadelphia Navy Yard, and assembled at Lakehurst. Several Technology men at the Naval Aircraft Factory were active in the construction of the ship. Mr. Ziegler was followed by C. T. Ludington, '23, who is cooperating with the American representative of the Farman Company in an endeavor to promote the progress of heavier-than-air commercial aviation.

Orville B. Denison, Executive Secretary of the Alumni Association, will be in Philadelphia the latter part of January. We are looking forward to Mr. Denison's visit in order that we may get acquainted with him personally and may get first-hand information of current activities of the Alumni Association and the Institute. We know that Mr. Denison will find a very active and loyal group of alumni in Philadelphia.

Walter J. Beadle, '17, *Secretary*,
Philadelphia Rapid Transit Company, Philadelphia, Pa.

TECHNOLOGY CLUB OF ST. LOUIS

On Monday evening, December 17, the Technology Club of St. Louis held its first meeting of the winter, at the Gatesworth Hotel. The club had as its honored guest, Orville B. Denison, '11, Executive Secretary of the Alumni Association.

Dinner was served to fifty members. The large attendance and the evident enthusiasm indicated a revived and renewed spirit of interest among the local alumni.

Mr. Denison furnished the entertainment by playing the piano, and rendering numerous comic songs during the dinner. After the dinner, Mr. Denison outlined to us the activities of the undergraduates, following which, we saw in moving picture form intimate close-ups of the undergraduate life, including the inauguration of Dr. Stratton. Following the movies, Mr. Denison outlined to us in prospective form those things which the Alumni Association is looking to build up in the local clubs. It is the unanimous opinion of those with whom Mr. Denison came in contact, that the Institute chose well in selecting Mr. Denison as the Executive Secretary of the Alumni Association, and the St. Louis alumni have nothing but praise for his

effort, and its results in St. Louis, and their good wishes follow all of his efforts in whatever undertaking he may have at hand.

The name of the local club was changed from the St. Louis Society of M. I. T. to the Technology Club of St. Louis. Annual dues of two dollars for all members were established, and an organization effected as follows: President, John Lawrence Mauran, '89; Vice-President, Leslie Dana, '94; Second Vice-President, Lyall Stewart; Secretary and Treasurer, Lloyd B. Van da Linda.

Following the meeting for Mr. Denison, the local club met at a luncheon at the Missouri Athletic Association, on December 27, and had as its guest Dr. Allan W. Rowe. Mr. Rowe gave us very interesting, first-hand knowledge of the athletic activities at the Institute, and a vivid picture of the program ahead.

The meeting was well attended and proved to be of tremendous interest to everyone.

Lloyd B. Van da Linda, '18, *Secretary*,
1020 Boatmen's Bank Bldg., St. Louis, Mo.

TECHNOLOGY CLUB OF NORTHERN OHIO

The following notes have been received from the Assistant Secretary, A. I. Bradley:

A very enjoyable evening was had by seven of the Cleveland members who were able to attend a dinner meeting of the Akron Tech Club held at the Akron University Club on Thursday evening, December 6. Dr. Stratton was the guest of honor, and we were all glad to have the privilege of seeing him again.

After a good old "M. I. T." for our President, Mr. Litchfield of the Akron Club welcomed Dr. Stratton and also our new Alumni Secretary, Dennie, who was right on the job. Next on the program was the presentation of a silver cup to the Akron Club by Mr. Johnson of the Cleveland Club. This cup was given by Mr. George Merryweather of Cleveland for the winner of a golf tournament held last fall at the Portage Country Club and won by the Akron Club. This was the first annual contest. Next year a fierce battle is expected to be fought to see if Akron will keep this cup or whether it will go to Cleveland.

Dr. Stratton then told us the news of the Institute which we were all glad to hear and of the progress of the new dormitory. This was illustrated later by motion pictures of last year's graduating class exercises and also the inauguration ceremonies. Among the professors there were a number of familiar faces that took us back to the old days at the Institute. During the evening, there was some good local talent furnished in the way of stunts by the Akron Club, and to wind up the program Dennie gave us a few numbers.

Philip N. Cristal, '17, *Secretary*,
Twelfth Floor Marshall Bldg., Cleveland, Ohio.

TECHNOLOGY ASSOCIATION OF WORCESTER COUNTY

The first fall meeting of the Worcester County Branch M. I. T. Alumni Association was held Friday evening, November 9, at Sherer's Restaurant, Worcester, Mass.

The meeting was called for the purpose of receiving Orville B. Denison, the new Executive Secretary of the Alumni Association, who was making a tour of the country visiting the local associations to stimulate interest in M. I. T. activities.

Besides Mr. Denison, George L. Gilmore, the President of the Alumni Association, was guest of the club for the evening.

Mr. Gilmore and Mr. Denison gave very enthusiastic talks on the plans and the future of the Alumni Association and of the Institute.

There were twenty-eight Tech men present and for entertainment, Mr. Denison presented one reel of motion pictures of the inauguration of Dr. Stratton. Through the courtesy of Mr. Daniels, of the Sanford-Riley Stoker Co., a showing of their film covering operation of stokers, entitled "Close-ups of Combustion" was given. The club is grateful to Mr. Daniels, also for the use of the machine for projection.

In the absence of our President, Mr. Estabrook, the Vice-President, Mr. Dillon, presided. A motion was made and seconded that a letter of sympathy be forwarded to Mr. Estabrook, regretting the loss of Mrs. Estabrook's mother, which made it impossible for him to be present.

A motion was made and seconded that the Executive Committee be empowered to appoint a man to the Executive Committee to take the place of George W. Crocker, Jr., who is no longer a resident of this district.

H. W. Latham, past President of the local association, submitted to those present a plan that is under consideration by the Executive Committee for the establishment of competitive scholarships or scholarship, to be presented by the local association for this district.

The meeting adjourned at 10.30 p.m.

Ernest P. Whitehead, '20, *Secretary*,
18 Downing Street, Worcester, Mass.

TECHNOLOGY CLUB OF FALL RIVER

The annual meeting of the club was held at the Quequechan Club, Tuesday evening, November 20, when officers were elected for the ensuing year. After reports were submitted, we listened to interesting and instructive talks by Professor George T. Haven, of the Mechanical Engineering Department, and Orville B. Denison, our new Executive Secretary.

The officers elected for the ensuing year were R. F. Haffenreffer, Jr., '95, President; Leon L. McGrady, '17, Vice-President; Alden D. Nute, '18, Secretary-Treasurer; Executive Committee, Charles H. Warner, '89, Chairman, Richard H. Gee, '20, Edward V. Carroll, '22, S. F. Hatch, '08, and Herbert Smith, '06.

During the dinner, Technology songs were sung and Dennie entertained with an original pianologue, which was much enjoyed. Then Toastmaster Charles H. Warner introduced Professor Haven, who stated in his opening remarks that he brought greetings from President Stratton of M. I. T., who was unable to come to Fall River because of illness. Professor Haven said that he thinks Dr. Stratton will be the greatest President Technology has ever had in the industrial field, that is, in taking a deep interest in the various industries in all sections of the country. Dr. Stratton, he said, is constantly striving to get the candid opinions of big men in the industrial world on the problems that confront them from time to time in their respective fields, and only a short time ago met leading figures in the textile industries.

Professor Haven described in an interesting and instructive manner the effort to place textiles on a footing which will prevent disputes, in which the American Society for Testing Materials is taking a prominent part.

Professor Haven described the laboratory tests made at Technology and by the Bureau of Standards at Washington and told us that these experiments have been most satisfactory and promise to bring about changes of importance in the textile industry. In closing, he stated that Dr. Stratton is greatly interested in the textile industry and had asked him to request the coöperation of the Fall River Technology Club in what he is trying to do for the textile and other industries in this section of the country.

Orville B. Denison, the Executive Secretary, next addressed the meeting and urged Tech men everywhere to get together and help each other as much as possible. Local clubs, he said, should make it a point to welcome Tech men, who are strangers in their cities, by inviting them to their meetings and trying to make them feel at home. They should also take a fatherly interest in present students. He thought it a splendid idea for local clubs to establish scholarship funds to aid deserving students from their home towns. On motion of L. L. McGrady, '17, it was unanimously voted that a committee of three be named to make plans for a scholarship fund. Whereupon President Haffenreffer appointed L. L. McGrady, '17, Joseph E. Nute, '85, and A. E. Hirst, '13.

An informal meeting of the club was held at the Quequechan Club on the evening of December 17, at which the members and guests listened to an unusually interesting and comprehensive talk by B. F. Griffin, associate editor of the *Boston News Bureau*, on "Some Economic Problems of Today." A short business meeting was also held at this time, plans being discussed and committees announced for the Technology Musical Clubs concert and dance, to be held in Temple Hall, Friday evening, February 1. The proceeds are to be turned over to the Fall River District Nursing Association, and it is expected that a very substantial sum will be realized for this worthy organization.

Alden D. Nute, '18, *Secretary-Treasurer*,
345 Pearce Street, Fall River, Mass.

TECHNOLOGY CLUB OF WESTERN PENNSYLVANIA

At a recent meeting of our officers and Executive Committee it was definitely decided that we would change the name of our association from the Pittsburgh M. I. T. Alumni Association to the Technology Club of Western Pennsylvania. We do not intend by such a change of name to exclude any members of eastern Ohio or northern West Virginia from our association if they are closer to us than they are to their own or any local associations in either one of the states.

On January 5 we are running a dinner dance for the club at the University Club. This is the first attempt we have made at such an affair and we are hoping that it will be a huge success.

On January 17 we are planning a dinner for Orville B. Denison, at which he will show his movies of the inauguration, which were taken last year. We are also planning to have him address a gathering of high school boys during his stay in Pittsburgh.

G. W. Ousler, '16, *Secretary-Treasurer*,
501 Chamber of Commerce Building, Pittsburgh, Pa.

TECHNOLOGY CLUB OF EASTERN NEW YORK

The notes for the Technology Club of Eastern New York for the February issue of *The Review* were sent in by P. L. Alger, Vice-President.

At the first fall meeting of the Technology Club of Eastern New York, E. D. Harrington, '18, P. L. Alger, '15, and E. D. Ryer, '21, were re-elected President, Vice-President, and Secretary-Treasurer, respectively. However, Mr. Ryer left Schenectady in October to join the staff of the Philadelphia district office of the General Electric Co., and so Mr. K. Sutherland, '22, was elected to fill his place. Immediately thereafter, Sutherland also departed, in his case to return to Boston, and so the club was again left without a Secretary. At the last meeting, held on December 21, George A. Chutter, '20, was elected Secretary-Treasurer; and as he is very actively interested in the question of house construction, we hope he will be a more permanent member of the organization than his two predecessors. All the members of the club were sorry to bid farewell to Ryer when he left for Philadelphia, as he was Secretary all last year and participated actively in all the club's affairs.

J. G. Barry, Vice-President of the General Electric Co., was the guest of the club at luncheon on December 21. As nearly all the members of the club are also members of the General Electric organization, Mr. Barry's talk on the future of the electrical industry and of the part that the General Electric Co. should take in that future was of very great interest to those present. Among other interesting figures given, Mr. Barry stated that the General Electric Company's business was roughly only 25% of the total electrical business of the country, so that the company is not such a monopoly as has sometimes been thought.

He also discussed the probable increase in the electrical business in the future and remarked that in trying to increase its business the General Electric Co. felt that the proper way to proceed was to increase the electrical business as a whole and retain its percentage of that whole, rather than to try to take business away from competitors. It is this point of view that has led to so-called institutional advertisements calling attention to the advantages of electricity rather than to the advantages of a particular piece of apparatus.

The club plans to have three meetings in January. On January 3 and 4, Mr. O. B. Denison will be in Schenectady. On the 18th, Professor D. C. Jackson will address the local section of the A. I. E. E. and will also be the guest of the club at luncheon. In the latter part of the month, Mr. O. D. Young is expected to speak at a luncheon.

Professor Frank P. McKibben, '94, has just been appointed City Engineer of Schenectady by the Mayor-elect, Mr. Campbell. This appointment meets with general favor and all Tech men will be interested to hear of it.

George A. Chutter, '20, *Secretary*,
Bldg. 23, General Electric Co., Schenectady, N. Y.

TECHNOLOGY CLUB OF RHODE ISLAND

Old-Timers' night, held on December 20, proved a decided success. Many of the "seldom seen" members turned out to welcome the speakers of the evening and to renew old acquaintances.

As our guests we had those old favorites, Professor Robert Smith and James R. Lambirth from the Institute and we listened with pleasure to the comparison of the Technology "as is" with the Technology "as was." Professor Smith gave us some interesting sidelines on the new changes in the machine tool course describing the five kinds of welding now being illustrated and the growth of accuracy in measurements. The student who works to a sixteenth of an inch at the start of the course is measuring to nearly one millionth of an inch when he finishes. As usual, he had several good stories to enliven his talk and the hearty laughter of his audience was evidence of their worth.

Pop Lambirth, just as active as ever in spite of his seventy-six years, gave us an interesting talk on his life as an apprentice in the Atlantic Shops and told us of his early days at the Institute. He had no difficulty in remembering Governor Bliss, our oldest member present, and called part of the roll of the Governor's class from memory. He admits that he still uses water on the anvil to wake up the sleeping members of his class and many present could testify to similar awakenings.

Gardner Willis, instructor in forging at the Technical High School of this city, was present on this occasion as our guest.

The plans for the Musical Clubs concert and dance are progressing rapidly. The tickets are going well and arrangements have been made with Station WJAR, the Outlet Company, to broadcast the program. The radio fans of the alumni are invited to "listen in" if their geographical location prevents their attending in person on Saturday, December 29, at 8.15 p.m.

The Seasons Greetings to all, from Rhode Island.

Norris G. Abbott, Jr., '20, *Secretary-Treasurer*,
107 Providence Street, Providence, R. I.

TECHNOLOGY CLUB OF HARTFORD

On Monday, November twelve, the Technology Club of Hartford, Connecticut, held a dinner meeting at the University Club, to welcome Dean H. P. Talbot and O. B. Denison, the Executive Secretary of the Alumni Association.

Fifty members were present and showed enthusiastic interest in Dr. Talbot's account of the Technology of today and in Mr. Denison's suggestions for the cultivation of Technology spirit both among past, present and prospective students. The meeting was a great success.

After the speeches, interesting motion pictures of the inauguration of President Stratton and of the commencement exercises were shown, including groups of professors in which the old-timers searched in vain for many of those familiar faces on which they had gazed for four years with mingled admiration and trepidation.

A notable proportion of the men had been former students of Dr. Talbot and they thoroughly enjoyed the opportunity of renewing the acquaintance. His reminiscences struck a responsive chord in their hearts, especially of those who could look back with him to the days of President Walker, Mrs. Stinson and Rogers' steps.

Plans are under way to carry out the suggestions of Mr. Denison for keeping in closer touch with the Institute and interesting prospective students in our school.

Dennie's particular job is hunting up alumni and after the more serious business of the evening, he sat down at the piano and described the operation more or less musically, in a dramatic rendition of what happened to a hunter, a rabbit and a bunch of trees.

The Technology Club of Hartford is eighteen years old, has ninety members and meets at luncheon regularly at the Hotel Bond, every second and fourth Thursday of the month except in summer. Any Tech men who are visiting the city at such times will be cordially welcomed at the luncheons.

G. W. Baker, '92, *Secretary*,
Box 983, Hartford, Conn.

THE M. I. T. CLUB OF AKRON, OHIO

On December 6 the Akron Alumni Association held one of its best and largest meetings since its organization. The Institute was brought much closer to the club by the presence of Dr. Stratton and our field secretary, O. B. Denison.

Dennie arrived on the afternoon of the fifth and was able to see some of the Tech men about the city, while Dr. Stratton reached Akron on the afternoon of the sixth and had an opportunity to see some of Akron's industries.

The big event on the docket was the banquet held at the University Club with nearly 100% of the Akron men present, as well as a good representation from Cleveland. During the meal the Tech spirit of good fellowship reigned supreme. An orchestra, made up mainly of Tech men, played some selections. Songs and parodies were intermittently introduced.

The men listened intently when C. R. Pack sang a wee bit of Scotch and I now believe what somebody whispered in my ear: that Pack once considered entering upon an operatic career. The lighter parodies were sung and enjoyed by all, even though some of them might not have called back to some of the boys most pleasant memories. Two one-man telephone conversations by George Clifford and Doc Kelley, with P. W. Litchfield and Perry Keller bearing the brunt of the attack, were other innovations. I should not forget to mention that George Sprowls was again paged before the ice cream was served, but remembering the chili sauce and pepper he ate because of doing that very thing on a previous occasion, he refused to move.

The after-dinner speeches were conducted by our President, W. H. Fleming. Dr. Stratton, O. B. Denison, P. W. Litchfield, and C. R. Johnson, representing Cleveland, made addresses. Dr. Stratton told of what the Institute was doing and what the plans were for the future. He spoke of how much he enjoyed to get out among the alumni and get their views on certain points and of the many ways they could help out the Institute. Raising a scholarship by the different alumni associations was suggested. This would be an excellent way of bringing the Institute before the eyes of the public in the different sections.

O. B. Denison told more of the Institute's plans and showed an interesting film of the last graduation and senior week activities. He then played and sang some special numbers which were spicy, yet good. The evening was terminated by singing the Stein Song.

L. H. Burnham, '20, *Secretary*,
Firestone Tire & Rubber Co., Akron, Ohio.

NEW HAVEN COUNTY TECHNOLOGY CLUB

We are glad to report that our second evening meeting of the year was held on December 17 at the home of the local club's President, Chester Dunlap.

The meeting was held at a private house in order that the members might enjoy a good evening without any great expense, such as hiring a hall, etc.

About twenty men attended our meeting and listened to a very fine talk on radio by Mr. Doolittle of the Doolittle Radio Corporation.

Our next meeting will be held sometime in January and a "Ladies' Night" will probably be inaugurated.

The Technology Mandolin and Glee Clubs gave us a fine offer recently, and considerable effort was made by the members of the local club to make announcements for having a concert in New Haven on the 28th of December. In some manner the same date was offered elsewhere, so we were unable to give the concert as planned.

Herbert R. Polleys, '18, *Secretary*,
1523 Chapel Street, New Haven, Conn.

TECHNOLOGY CLUB OF CHICAGO

The month of December witnessed a great event in the annals of the Technology Club of Chicago and the members thereof. A diligent search through all history would not disclose a similar occasion.

We have met our Executive Secretary, Mr. Orville B. Denison, had him in our midst for three busy days. And we say, praise be to the powers of the general Alumni Association, and praise be to the spirit of efficiency that prompted the selection of such an accomplished gentleman to an office which he alone is qualified to fill.

Mr. Denison arrived in town from St. Louis bright and early on the morning of Tuesday the eighteenth. Assisted by his host, Freddie Schmidt, '07, IV, the President of the Club, Henry Kern, '90, and Cap Blake, '06, I, the prime mover of the occasion, Mr. Denison made many calls on local alumni and familiarized himself with the city generally. At the regular luncheon Tuesday noon he made a few remarks, especially emphasizing the field for activity in the presentation of the Institute to the boys of Chicago and vicinity. John Shortall, '87, IV, said a few words about the progress of the Technology crew. It might be mentioned here that crew at the 'Stute is Mr. Shortall's hobby and his activity in promoting the development of this sport can scarcely pass unnoticed.

Thursday evening at the Engineers' Club eighty-five loyal boosters turned out to the dinner and smoker and were pleasantly surprised. Cap Blake, '06, was toastmaster and Peacock, '17, was chairman on arrangements. Baldrige, '21, rounded up a quartette. When things were added up, it was found that we had a darn good orchestra, a couple of comedians (black faced), a quartette (the quartette was worthy of mention again so I'll say we had a good quartette), and a few miscellaneous acts, and actors. Sol Sturgis bearded the bulls and bears to the extent of a box of cigars for the occasion, and ye merrie feast was on.

The committee provided badges so that introductions were automatic and memory feats unnecessary. In the hour preceding the dinner many old friendships were renewed and many new friendships made. We were especially glad to welcome W. T. Leman, '73. Sam Felton, '73, was unable to be present.

Mr. Denison, in his pleasing way, presented movies of intimate scenes at the 'Stute. It certainly did the boys good to see Eddie Miller light his cigarette with much deliberation (and precision); no fatalities. Every scene brought forth exclamations of joy and applause. It was worth going miles to see. Too bad some of the "luke-warm" alumni in this vicinity could not have been present. Mr. Denison would surely have converted them into the most ardent of boosters, no doubt about that.

After the pictures, Mr. Denison told us of the aims of the Alumni Association and of his plans for their accomplishment. For the benefit of those who read these notes as news rather than history, let me explain that Mr. Denison represents a new era in alumni affairs at the Institute. He was selected to become the point of contact between the alumni and the Institute. His qualifications are legion, and his radiant good fellowship is most pleasing. President Stratton has directed him to travel among the graduates and former students in order that as soon as possible he may become a "living encyclopædia of the alumni."

We are very pleased to have had Mr. Denison with us, to have met him, and to feel that we have a chum at court. Come again, Mr. Denison.

Harris B. McIntyre, '22, *Secretary*,
General Automotive Corp., 600 W. Jackson Boulevard,
Chicago, Ill.

A Life of Francis Amasa Walker

Third President of the Massachusetts Institute of Technology

By James Phinney Munroe



GENERAL WALKER was eminent as a soldier, a statistician, an economist, an administrator, an educator, and, above all, as a man.

He was born in 1840, graduated at Amherst in 1860, fought through the Civil War and was breveted Brigadier General at twenty-five; was Superintendent of the Census at twenty-nine, Commissioner of Indian Affairs at thirty, Professor in Yale at thirty-one, President of the Massachusetts Institute of Technology at forty-one, and died at fifty-seven.

The Opinion of the Press

Boston Transcript: "The first thing which strikes the reader of this biography is the many sidedness not only in character but in achievement of its subject . . . Yet after all it is as the 'Preserver' of Technology that he will be given his most lasting fame, although Walker the president and administrator does not dim Walker the man. President Hadley of Yale once said that General Walker knew more things worth knowing than any man of his acquaintance . . . Mr Munroe is eminently fitted for his task as biographer."

Chicago Evening Post: "Mr. Munroe's life reads like a novel and is much more entertaining than the average book of fiction. It brings honour where honour is due, and should therefore itself receive the same award."

N. Y. Evening Post: "This biography places before us a vivid and varied picture of a man who combined passionate energy with calm, common sense, intense earnestness with delightful humour, aggressive independence

of thought with sincere respect for the heritage of the past, unflagging zeal for the public good with a total absence of priggishness or cant, intellectual ardor with splendid gallantry as a soldier, and a keen interest always in whatever makes for physical and excellence."

The Nation: "Mr. Munroe's volume is distinguished by its fine balance in the presentation of the character and achievements of a many-sided being. To him, Walker has never ceased to be a living influence, and it is Walker the man who stands forth in these pages."

N. Y. Herald: "Mr. Munroe is well qualified for the great task of this biography, as he was secretary of the faculty during a large part of Walker's administration of the Institute and has had access to all available data. Besides that, he is a master of a clear, simple and vigorous style, which makes the narrative highly readable. He has also shown excellent judgment in the selection and arrangement of his material."

The volume contains 437 octavo pages of text, exclusive of the index and seven half-tone illustrations. The price is \$4.00.

Henry Holt and Company, Publishers
19 West 44th Street, New York, N. Y.

To HENRY HOLT & CO.
I enclose \$4.00 for which please send me, postpaid, one copy of
"A Life of Francis Amasa Walker"

Name _____
Address _____

19 W. 44 St., New York City

NEWS FROM THE CLASSES

News from even-numbered classes is published in issues dated November, January, March and May. News from odd-numbered classes is published in issues dated December, February, April and July. The only exceptions to this rule are those classes whose Secretaries have guaranteed the appearance of notes in every issue. These classes are: 1896, 1901, 1902, 1905, 1907, 1910, 1911, 1912, 1914, 1915, 1916, 1917, 1918, 1920, 1921, 1922 and 1923. Other classes adhere to the alternate schedule.

Due to strict limitation of space, the Review is unable to publish lists of address changes of members of the Association. The Alumni Office in Room 3-209, M. I. T., will supply a requested address or will act as the forwarding agent for any letters addressed to members of the Association in its care.

1875

E. A. W. HAMMATT, *Secretary*, South Orleans, Mass.

As the time for sending in class notes is at hand, I am again up against it, having had practically no news from any of the boys. The only items which I have received were that S. J. Mixer's address is now 219 Beacon Street, Boston, and that W. E. Nickerson recently gave one of the Aldred lectures at the M. I. T. Anyone who knows Nickerson, knows that he is a good talker, and he must have made the lecture interesting. While Nickerson graduated with '76 he entered Tech with the Class of '74, and was connected with '75 during two years.

It is probable that by the time these notes are published that the annual meeting of the class will have been held, but at the present writing the exact date is not fixed.

I have just learned of the death of our classmate William Albert Mason, which occurred at Germantown, Pa., on December 23, 1923. Mason was born at Cambridge, Mass., on December 24, 1854; the son of William A. and Clara M. (Hodges) Mason, and received his early education in the schools of that city. He entered Tech in October, 1871, and left in June, 1873. In '74 and '75 he was a student at the Massachusetts Normal Art School, and again during '78 and '79. He taught drawing in the Massachusetts Normal School in '76 and was Director of Drawing in the schools of Worcester, Mass., during '77. From '80 to '82 inclusive he was Professor in charge of the Art Department at Ohio State University, going from there to the Pennsylvania Museum and School of Industrial Art, as teacher of drawing, painting, etc., and since 1892 he has been Director of Drawing in the public schools of Philadelphia. On April 6, 1882, he married Ellen Louise Shaw, and they had four children. He was a member of the Arts Club, Schoolmasters Club, Fairmount Park Art Association and the City History Society.

1883

HARVEY S. CHASE, *Secretary*, 84 State St., Boston, Mass.

The following clipping appeared in the Philadelphia *Public Ledger* for December 5, 1923: "Albert Fink Smith, Vice-President of the Miehle Printing Press & Manufacturing Company, of Chicago, and Manager of the Philadelphia office of that company, died at his home, 400 South Fifteenth Street, December 4.

"Mr. Smith was sixty-one years old. He was born in Winthrop, Maine, and lived during his boyhood in Racine, Wis., and Chicago. He attended Racine College and the Massachusetts Institute of Technology.

"Before his association with the Miehle Company, Mr. Smith was for a number of years connected with a silk company at Chicago. He came to Philadelphia in 1911. He was a member of the Union League, Manufacturers' Club and the Huntingdon Valley Country Club.

"Mr. Smith is survived by his widow, Mrs. Rita Lorton Smith, who is well known in Philadelphia musical circles."

1885

I. W. LITCHFIELD, *Secretary*, 10 Kenmore St., Boston, Mass.

No notes received from the Secretary.

1887

EDWARD G. THOMAS, *Secretary*, Toledo Scale Co., Toledo, Ohio.

No notes received from the Secretary.

1889

WALTER H. KILHAM, *Secretary*, 9 Park St., Boston, Mass.

Fred Crabtree is Professor of Metallurgy and Head of the Department of Metallurgy and Mining Engineering in the Carnegie Institute at Pittsburgh.

William B. Thurber is a member of the Election Committee of the Republican Club of Massachusetts.

Wales has just finished a beautiful lithograph of the frigate "Constitution" under full sail, which is already in great demand among lovers of marine pictures. Wales has been very successful with his etchings and in entering the field of lithography, he has achieved equal success in a new line. Some of his early etchings are now held by dealers at more than one hundred per cent. above the price at which they were published.

1891

HENRY A. FISKE, *Secretary*, Grinnell Co., 260 W. Exchange St., Providence, R. I.

The following appeared in the Pasadena, California, *Star News* for October 25, 1923: "Appointment of George K. Hooper, industrial engineer and business administrator, as advisor to the Board of City Directors, was announced today by Chairman Hiram W. Wadsworth. Mr. Hooper has been working with the board for more than a week, giving his time and attention to the sewage disposal problem and is also advising the directors on other civic problems.

"Mr. Hooper has been connected with some of the biggest industrial concerns in the country and during the World War was a lieutenant-colonel in the Ordnance Department of the United States Army. He was stationed at Washington, D. C., in charge of production of all ordnance vehicles, artillery, tractors, combat tanks, self-propelled artillery and mobile artillery repair shops. Mr. Hooper was a member of the Machine Tool Board and the Board of Design of Self-propelled Artillery.

"A native of Boston, Mass., Mr. Hooper attended the public school and then learned the machinist's trade in the apprentice course of the B. F. Sturtevant Company in Boston, after which he took the mechanical engineering course at the Massachusetts Institute of Technology. He was plant engineer for the Germania Electric Company, Marlboro, Mass., equipping and putting into operation a plant for the production of incandescent lamps, storage batteries and plating generators.

"Mr. Hooper next became sales agent and engineer with the Abendroth & Root Manufacturing Company, New York City. He was in charge of sales and engineering in Western New York territory and later was in charge of all western sales and engineering at Chicago with branch offices at Cincinnati and Kansas City.

"Mr. Hooper became engineering assistant to the Deering Harvester Company, Chicago, manufacturers of harvesting machinery and binder twine. He was employed upon administration of experimental work investigations for plant betterment and cost reduction; selection and purchase of all plant equipment and contracting and supervision of plan extensions and alterations.

"In New York, Mr. Hooper began an independent career as industrial engineer and as such has handled a great variety of technical, educational and financial problems arising in industrial enterprises. Among his clients have been the Adams Express Company, Crane Company, Audit Company of New York, American Radiator Company, J. L. Case Manufacturing Company, Stephen M. Weld & Company, Farrel Foundry & Machine Company, Canadian Westinghouse Company, City of New York and many others.

"After the war, Mr. Hooper resumed his engineering practice, but due to ill health in his family and also of his business partner and to troubled business conditions, he determined to take a rest and so came to California in 1921, and decided to remain. Mr. Hooper is married and has three children. His residence is at 880 South Madison Avenue."

The following appeared in the Portland, Oregon, *Journal* for November 5, 1923: "William J. Roberts, a consulting civil engineer of Tacoma, Wash., and brother of A. S. Roberts, wheat grower of The Dalles, has been retained by the North Dalles Irrigation district to take immediate and full charge of its project at Grand Dalles.

STANDARD PLATE GLASS CORPORATION

DEPENDABLE SERVICE

BOSTON

HARTFORD

CAMBRIDGE

1891 Continued

"This project consists of putting 5,000 acres of sandy loam soil under irrigation with water from the Klickitat River.

"Having been reared in The Dalles, Roberts is familiar with conditions pertinent to the district. He is a graduate of the University of Oregon and took a post-graduate course in the Massachusetts Institute of Technology, specializing in hydraulic engineering. He received a degree also from the latter college.

"While there is no official announcement that the work on the Grand Dalles project is to start immediately, it is believed here that the appointment of Roberts is a virtual announcement and that the project will be gotten under way within a short time.

"Its completion will mean the cultivation of 5,000 acres of and across the river from The Dalles, which now lies a barren waste and is uninhabited except by a few people employed by the North Bank Railway."

James Swan writes as follows: "I left the Shipping Board employ in August, having been with them for nearly two years. The work there was interesting but after a life spent with private concerns, I did not find government work particularly attractive as a permanent employment.

"After leaving Washington, I took a short trip to Europe and am now editor of *Marine Engineering and Shipping Age* at 30 Church Street, New York City.

"Am glad to say we are all well and flourishing. My boy graduates from Dartmouth next June and my daughter is at Connecticut College, New London. Mrs. Swan and I have an apartment at 200 West 55th Street, New York, but we have a small summer place near New London, where we spend as much time as we can and which is our real home."

Charlie Aiken reports attending a meeting of the Hartford Connecticut Tech Club at which Orville Denison, the new Executive Secretary of the Alumni Association, gave a talk on his work. Fred Campbell Moore is President of the Hartford Club. Clarence Whitney was at the dinner, and reported the marriage of his daughter, Dorothy G. Whitney, to Mr. Robert T. Stevens of Plainfield, New Jersey.

Charlie Aiken has given a lot of time to Alumni Council meetings, as have also Harry Young and Gorham Dana. Charlie is very modest about his many activities. The suggestion comes from one of our classmates that Charlie would make a good President of the Alumni Association. The motion is seconded and unanimously carried.

The Editor of The Review sends in class notes of twenty-five years ago, this being the twenty-fifth Anniversary of the founding of The Technology Review. Grier was then prospecting in Alaska, Walter Douglass had been made Chief Engineer and General Manager of the New England Structural Company which had just then been organized. Homer Goodwin had gone into the stock brokerage business under the firm name of Goodwin & Thorndike. Charlie Hammond was Chief Master of Arms in the U. S. Navy, aboard the U. S. S. "Yosemite," during the recent war with Spain. How time flies!

J. Gifford Thompson is taking a trip around the world, starting from New York on the Canadian Pacific Steamer, Empress of Canada. The trip will start eastwardly January 30 and though the party will arrive back at Vancouver in May, Thompson is now expecting to get home some months later.

We hope we may have some items of interest from our classmate to tell later, concerning the countries he visits.

Barney Capen writes as follows: "After a very pleasant and interesting time this summer in charge of the hotel headquarters, in the Parker House, Boston, for our visiting telephone people, representatives from nearly every associated company in the

country, I took my vacation in October immediately following the convention of the Telephone Pioneers of America, held in Atlantic City.

"Mrs. Capen and I went to the convention, leaving Boston via the Fall River Line the night before. In New York, we met two '91 men in the American Telephone & Telegraph Co. building at 195 Broadway.

"Charles Waterman entertained us at his home at Larchmont Gardens, New York, on our return trip, and a little later we were the guests of George A. Campbell.

"The convention was a great success, hospitality personified. More than 2,200 pioneers and guests registered on the Million Dollar Pier. From the convention we visited our folks, the Pennypackers at Haddonfield, N. J.; cousin James is a '23 Tech man and now with Cramps, Philadelphia.

"At Atlantic City and Philadelphia we saw Herbert W. Dean, '06, of the Bell Co. of Pennsylvania, whom I met at our hotel headquarters this summer.

"We visited over one night with George Spooner in Rahway, N. J., whose son, Howard, '22, is now with the New Jersey Public Service Company. I had a brief chat with Charlie Aiken from my cousin's, Harry B. Harding, '94, who gave us the keys, not of Brooklyn, but of their apartment.

"I telephoned Walter Trowbridge in Pelham Manor, New York, and was sorry not to see him. We enjoyed a little call on Albert Gottlieb in New York and had a pleasant few minutes with Fred Moore in the lobby at 195 Broadway just before we left for the Fall River boat."

1893

FREDERIC H. FAY, *Secretary*, 200 Devonshire St., Boston 9, Mass.

GEORGE B. GLIDDEN, *Assistant Secretary*, P. O. Box 1604, Boston, Mass.

During the last month the Secretary has received an unusual amount of foreign news from members of the class.

From London comes the announcement of the engagement of Rigby Wason to Miss Dorothy Guendolen Hill of North Brow, 19, Elsworth Road, N. W., and Highfield, Totland Bay, I. of W.

Under date of October 19, F. S. Badger wrote from Auckland, New Zealand: "I am in the midst of a delightful trip for business purposes and may spend considerable time in this country where prosperity is the order of the day, but my permanent address in London remains unchanged." (Badger is hydraulic engineer for J. G. White & Co., Ltd., and consulting engineer for The Consolidated Construction, Ltd., at 9, Cloak Lane, London, E. C. 4, England.)

Godfrey E. Kato, who has not been heard from for a long time, is proprietor of the Toyo Shokai (The Oriental Trading Co.) at 1015 Uchiyama-Machi, Ichome, Moji, Japan.

The following extracts are taken from a letter from H. Maki written at Numadzu, Japan, October 26:

"Yours dated September 18 addressed to my Tokyo home received and thank you all for your kindest inquiries about me and my family because of the earthquake. Everyone of my family and relatives escaped from the disaster and very slight damage was done to our property, also. Everyone received more or less some loss to his property and some unfortunate ones lost property and members of the family, also.

"At the time of the big shock all of my family were here at Numadzu at the foot of Fuji Mountain and on that side of the Hakone hills which you must have heard of many a time

1893 Continued

from some of your friends. The hot springs there were entirely destroyed and the damage was terrible along the coast of Sagami Bay. Tokyo was completely engulfed and many lives were lost there. Kamakura was attacked severely by shocks and tidal waves and only a portion of the town was left. Daibutzu, the great bronze Buddha, walked out some three feet, they say.

"Even now we experience a few shocks a day and altogether have had over a thousand shakings, started by one large vertical and lateral shaking which tore everything to pieces in one moment. There was no time for anyone to escape—a single shock and all was ended. We shall be free from such for seventy to eighty years, our history tells. But Osaka and vicinity are now under prediction by some earthquake authorities here. Wish the statements they put forth will not be realized.

"The liberal gifts so readily given to Japan from America have helped the much-needed situations immensely and our nation has not yet found words to express our thanks to your country. Thank you, that is all we can say." (Maki is a consulting electrical engineer. He is now Baron Maki.)

The following letter from T. Torossian came with his questionnaire from Lome, Bulgaria, under date of November 21, 1923: "I enclose the questionnaire filled out for the class book.

"Since I left the Institute it has been my lot to face continually difficulties having the character of force major. I omit the events of the first part of my career 1894–1899. On the occasion of my betrothal, July 1, 1906, we had an evening party at my father-in-law's, Teheran, Persia. Suddenly we heard the mob shout and fire in the streets. The people were demanding the abolition of absolute monarchy. Our friends, a score in number, could not return home and we had to accommodate them until next morning. In consequence of said revolution the projected railway, Tavrik-Teheran, for which I was a good candidate—contractor, could not be undertaken.

"I returned to Bulgaria in 1907. After 1913 we had in succession the Balcanic War, the war between the Balcanic allies, the great European War and present political and social unrest. Nobody wishes to invest to build.

"The Great Powers had promised to deliver the Armenians from the Turkish tyranny. To ensure the final victory one and one-half million Armenians lost their lives. We lost also thirty millions worth of national wealth. By the peace treaty of Sevres a free Armenian state was created. Unfortunately, President Wilson, who was our great friend, could not persuade your Senate to accept the mandate of new born Armenia. England, France and Italy washed their hands like Pilate. It may be said even that these Great Liars betrayed our poor people after the fashion of Judas. During the peace conference at Lozan they entered into bargain with the Turks behind the curtain and it was soon seen that a barrel of petroleum of Mousoul did weigh in the scales heavier than the tears and blood shed by one and one-half million Armenians for the general cause. After said scandal I am afraid everybody in the East by the phrase 'European civilization' shall understand only railways, steamers, automobiles, etc., material progress but moral degradation.

"I have a good opinion about individual Americans. The American Board of Foreign Missions has been working among the Armenians since 1825. They have built a dozen high schools, colleges, numerous churches, many philanthropic and enlightening institutions all over Asia Minor. The missionaries had spent up to the war not less than seventy million dollars for the moral and intellectual development of our people. They have spent for the support of the Armenian victims of the war, widows, orphans and the needy, some thirty million dollars. The American spectator at the peace conference of Lozan, Mr. Childe, who was not a child but a full grown man, besides a diplomatist, could not utter one word in favor of the Armenians, because Admiral Chester and son (Americans) just at that moment were trying to get from the Turks at Angora concessions of mines and railways. I wish your Government was more worthy of your great nation.

"In writing you all this, I do not wish simply to record the protest of my people who suffered the most terribly and were forsaken the most cruelly. It seems to me it is high time for all intelligent and honest people to think that in the near future the sighs and curses of those who have suffered unjustly might give birth to a mighty hurricane which shall level with the ground our present social building.

"Besides the fact that my chances for success have been quite scanty, we have to pay for one dollar now one hundred twenty levas; that is to say, twenty-four times more than before 1915. I am sorry I cannot participate in your subscription for the new dormitory."

Under Professor C. L. Norton, '93, a study is being made of a celluloid model of the dirigible "Shenandoah" by means of a new photo-elastic process. The Boston Herald states: "For the last ten months a study of a celluloid model of the

"Shenandoah," by means of a new photo-elastic process, has been carried on at Technology under the direction of Professor C. L. Norton, '93, Head of the Department of Physics. While the Navy Department will not disclose any of the results of the tests, department officials have expressed themselves as well pleased.

"Several thousand pieces of celluloid, fashioned precisely to scale, were fitted together in a duplicate of the giant airship. The testing was then performed in the photo-elastic laboratories by Dr. Paul Heyman and T. H. Frost of the Institute staff, who were working under the supervision of Professor Norton.

"Although the phenomena of photo-elasticity have been known for some time, it is only recently that they have been used to settle problems of structural design, many of which can be solved no other way. The Technology laboratory is the only one in the Western Hemisphere equipped to carry on this kind of work."

Two members of the Class of '93 are spending the winter in Santa Barbara, California—Charlie Taintor, with his family, and Cadwallader Washburn.

During a recent business trip to the South, the Secretary found F. W. Hadley, '93, at Atlanta, where he is Superintendent of water power for the Georgia Railway & Power Company, and he spent several hours very pleasantly seeing the city with him and answering his many inquiries about former classmates.

On the return trip he also ran across J. A. Emery in New York and C. R. Boss on the train.

1895

FRANK A. BOURNE, *Secretary*, 177 State St., Boston, Mass.

Frank Schmitz reports that a '95 luncheon was held on Monday, December 10, at the Machinery Club, 50 Church Street, New York. Those present were John D. J. Moore, Chairman, Arthur Canfield, Frank Belknap, Joe Cushing, John Gardner, Harry Coddington, Albert Drake, Fred Cutter, Tom Wiggins, Ben Donham, John Wolfe, Fred Draper, and Frank Schmitz.

In an unguarded moment some bird asked John Moore (Dem.) what he thought of the Coolidge message. After that several made vain attempts to break through John's barrage without success. However, at about 2.30 he ran out of ammunition and the lodge closed in peace and harmony at 2.30. No casualties.

Ninety-five is supposed to run only in four issues, alternating with the even-numbered classes, but the Secretary has heard that '95 men have looked in *The Review* and found nothing for '95. If the class wishes to have something for every month, it is up to the members to send in the material and to say that they would like to have it published every month.

See the January issue (Anniversary Number) for other notes.

1896

CHARLES E. LOCKE, *Secretary*, M. I. T., Cambridge, Mass.

J. ARNOLD ROCKWELL, *Assistant Secretary*, 24 Garden St., Cambridge, Mass.

The story of '96 for this issue will be brief, largely because it has been expected that word would be received from Charlie Hyde with a story of his European trip and of his loss in the Berkeley fire. His story was to be the feature of the '96 news of this issue but, although the forms were held open up to the very last minute, no word was forthcoming from Charlie. Perhaps for the next issue he will do better.

A delayed report has been received of the death of Miss Elizabeth W. Bean. Miss Bean took a special course in Biology with our class during the years 1893–94. The following is taken from the annual school report of Brookline, Mass.

"On October 10, 1920, in old Concord, occurred the death of this gentlewoman who taught in the Lawrence School, Brookline, from September 1879 to June 1913. During twenty-two of these thirty-four years this lady was Principal of the School. For the annual report of the Superintendent of Schools for the year ending December 31, 1913, Miss Bean furnished some interesting reminiscences of her long term of service. The years in question witnessed great changes in the schools of the town. Regarding the development which took place during this period, Miss Bean might have written 'all of which I saw and part of which I was.' Several years have elapsed since Miss Bean's retirement from the Lawrence School and while the School Committee in the present report makes no attempt to adequately depict the beauty and usefulness of her long service, they would think themselves guilty of a grave omission if they failed to pay this brief tribute to her memory. The closing years of her life were spent in Concord, the home of her girlhood, and were happily filled with good works. During the Great War she gave herself unstintingly to labor for the country and its defenders. Thus she rounded out a life of exceptional beneficence. As was

To Which Class Will You Belong?

BESIDES being a member of one of the regular classes of M.I.T., eventually you become a member of one of the classes of life. Only you can decide which you will join.

Business experts tell us that of every 100 men in the United States, at age 65	4 are well-to-do
36 have died	5 live on their earnings
1 is wealthy	54 are not self-supporting.

Why not preclude the possibility of being dependent on others by taking out now in your productive period, a series of endowments to mature periodically throughout the later years?

Send for our pamphlet: "Endowments in Series."

Sixty-one Years in Business

Now insuring over One Billion
Eight Hundred Million Dollars
in policies on 3,300,000 lives

John Hancock
MUTUAL
LIFE INSURANCE COMPANY
OF BOSTON, MASSACHUSETTS

1896 Continued

said of one of old, so of her it may be said, she 'served her generation according to God, and fell on sleep.'

Questionnaires for the Class History continue to filter in. The second notice recently sent out has brought a good number of replies, but there is still a considerable number of delinquents. Every effort will be made to secure replies from these delinquents before the book finally goes to press.

Harry Jackson made a call on the Secretary on December 6. His address is now changed to Templeton Brothers, 127 Heath Street, Boston, Mass., this being the concern which he organized to manufacture and sell his steam trap. This trap is a high-grade apparatus which Jackson reports is meeting with success. The American Woolen Mill Company, for example, has adopted it as their standard trap and is installing it in their various plants. This trap is made in sizes to handle up to 7,000 pounds of water discharged per hour or to drain 35,000 feet of one-inch radiator pipe. During the summer, Jackson made a combined business and pleasure trip of three-weeks duration through the states of New York and Pennsylvania.

Helen Chamberlain Dodd has branched out her enterprise and in addition to running her farm in Vermont, to tapping her maple grove there during the spring, and to supplying travelers with refreshments during the summer, she has now opened a tea room on Beacon Hill, in Boston, during the winter months. We always thought that as a student Miss Chamberlain was just as active as she could possibly be, but it now seems that in view of her many present-day activities, she was relatively a dead one in her student days.

1899

W. MALCOLM CORSE, *Secretary*, 1901 Wyoming Ave.,
Washington, D. C.

BENJAMIN S. HINCKLEY, *Assistant Secretary*, 112 Water St.,
Boston, Mass.

B. R. Rickards is now Director of the Division of Public Health Education, State of New York, with headquarters at the offices of the Department of Health, Albany, New York. He writes to Hervey J. Skinner as follows: "It may interest you to know that I am receiving from all over the state a number of requests for information on the relation of chemistry to health and disease and the relation of chemistry to the home as a result of the publication of the conditions of the prize essay

contest of the American Chemical Society, which you mention on page four of your latest issue of 'Business Chemistry.'"

He writes further, — and this will interest all who like to know of the successful workmanship of fellow-members of the class. (The compliment is directed to Mr. Skinner.)

"Being in editorial work, I feel like complimenting you on the typography, editing and general make-up of your periodical. It is very well done and a mighty good piece of advertising."

The Secretary of the class has been elected Secretary of the Washington Society of the Massachusetts Institute of Technology, for the current year.

I regret to say that I have just received a card from Cambridge, announcing the death of Mr. G. M. Richmond on October 31, 1923.

The close of the year 1923 brought several losses in the ranks of the Class of '99. Lyman Hapgood, formerly Superintendent of the Athol Water Company, died on Tuesday, November 13, at Jamestown, New York. Mr. Hapgood leaves surviving him, besides his wife, a brother, Frederick Hapgood, and his mother and a sister, Miss Edith Hapgood, both of Athol.

On October 22, Clarence Renshaw, forty-nine years of age, electrical engineer of Pittsburgh and Vice-Chairman of the Democratic State Committee, died at his home in that city. For the past three years, Mr. Renshaw had been connected with the National Metal Moulding Company and the Westinghouse Electric & Manufacturing Company. During the war he was a member of the fuel conservation commission in Washington. He was a graduate of Baltimore City College, but received his engineering degree at Tech.

At sometime during the night of October 31, Gerald M. Richmond, of the brokerage firm of Richmond, Dorrance & Company, of Providence, R. I., in a fit of despondency, chained himself securely to the driver's seat of his sedan and drove his machine over an eight-foot embankment into Palmer River, near Rehoboth. He was drowned when the machine landed bottom up in three feet of water. He left a wife and three small children. Before entering Tech, Richmond was a member of the Class of '97 at Amherst. He was a member of the East Side Skating Club, the Agawam Hunt Club, Noonday Club, Providence Chamber of Commerce, Providence Athenæum, Technology Club, and University Club.

1899 Continued

Dr. Frederick Warren Grover, of Schenectady, has recently been honored by an appointment by the International Union for Radio Telegraphy to a committee on measurements and standards of the U. S. Bureau of Standards, Washington, D. C. Dr. Grover is a consulting physicist. In a recent bulletin of the Bureau there appeared an interesting article by him on "Formulas and Tables for the Calculation of the Inductance of Coils of Polygonal Form." Dr. Grover is associate professor of electrical engineering at Union College. He has degrees of M.S. from Wesleyan University, conferred in 1901; Ph.D. from George Washington University, 1907; and Ph.D. from the Royal University of Munich, Germany, 1908.

1900

GEORGE E. RUSSELL, *Secretary*, Room 1-272, M. I. T.,
Cambridge, Mass.

'Tis a world of change. Twenty-three and one-half years ago the writer was elected permanent Class Secretary and having served a short time was retired for his sins of omission. He now finds himself elected to hold office during good behavior (of his constituents). Thus history repeats itself, but in this case 'tis a vicious cycle.

More than this brief article is impossible for this number, as only one day was available between the election of the scribe and closing date for Review material. About two weeks remains before the closing date for the March number but an honest attempt will be made to have a few lines of general news appear at that time.

This column will prosper in proportion to the effort which you put into it. Requests from the Secretary will come to you from time to time, and it is to be expected that a reply will be forthcoming; but much better will be the squibs which you can dash off and send without such formal request. If you see a 1900 man, tell us about him, what he is doing, how he looks, what he says, and in general paint us such a picture that we may have a momentary close-up of him. Our roster is still long and there are names which recall to us many happy incidents of years ago. Where are these men now? Tell us if you know.

We are not old yet, but years are hurrying and soon the time will come when our friends will be our whole existence or at least a great part of it. Let us pull together a bit and let the low-burning embers of our fire lend such warmth one to another as to kindle a strong flame of friendship which will out-glow the fires of yesterday.

We want to hear from Cliff Leonard, Fred Cook, Ken Seaver, Steve Badlam, Morgan Barney, Hussey, Brownell, Paul and hosts of others. Where are you? What are you doing? Come across at once just as you are doing in your work and make this column a feast for the gods.

One more year and we are twenty-five years out of Tech! There will be a three-days reunion down on old Cape Cod if only your humble servant and one other makes the pilgrimage. Begin to get ready for it: save up the cash and lay aside the time for a trip East. There is no drill-debt to harrass your pocketbooks or imaginary cliques to spoil the fun;—just the old gang together once more.

1901

ALLAN WINTER ROWE, *Secretary*, 295 Commonwealth Ave.,
Boston, Mass.

After several years of silence and at the earnest insistence of the Secretary, Matt Brush sent in a list of his various professional affiliations which has recently brought it up to date. The tale is a lengthy one and enormously interesting in the variety of activities which it embraces. Matt's principal job is President of the American International Corporation, but he is an interlocking directorate in himself with twenty-one affiliated or subsidiary companies. They embrace activities in ship building, machinery, refrigeration, textile products, oil, and a variety of transportation corporations on both sea and land. Fourteen outside enterprises are listed, including banks and real estate in addition to those given above. For many years it has been the modest ambition of your Secretary to be a Director in one corporation and receive from time to time golden tokens of appreciation spontaneously given for the mere pleasure of one's society. He has even gone so far as to call attention to his affable and engaging personality and shyly to suggest that he would like to become a collector of gold pieces. Up to the present, truth compels the statement that his efforts have been unavailing, and the only gold pieces acquired have been by barter or exchange of the more lowly forms of legal tender. If this should chance to catch the eye of his classmates he hopes

pathetically since earnestly that he may be given one little company. The season is propitious. One can only wait.

W. G. Blauvelt is a member of the Department of Development and Research of the American Telephone & Telegraph Company. After fruitlessly battling with Bill's hirelings for many years, your Secretary can suggest no more fruitful field of research than a suitable means of engaging the cursory attention of the uncrowned queens of the switchboard without interjecting an inharmonious note in the tone poem of their personal conversation. Such research might lead to development. I hope Bill reads these notes.

Lamont du Pont is Vice-President of E. I. du Pont de Nemours & Company. He writes as follows: "I recently saw F. C. Cross and Dick Derby. They were both in good health and spirits and though they may have added one or two gray hairs, they are about the same boys as in 1901. As an amusement and not for labor profit I have established a 2000-acre farm near Coatesville in the southeastern part of Pennsylvania and am raising Hereford cattle, the recognized best breed for beef. It is a very interesting proposition and if any of the class want to try it for themselves, they know where they can get a few animals to start with. However, those who have become tired of the hard work and low pay of the engineering profession had better not try farming." Du Pont adds, "I learn this from observation, not experience." If this be true, it is the only case on record. Your Secretary would suggest that since du Pont has indicated his willingness to "sling the bull" our modest and retiring class President might profit by the offer.

Roger Wight representing the Liverpool, London & Globe Insurance Company (interstellar space please copy and why omit Wellesley Hills) is prepared to write any kind of insurance, except life, for any member of the class, in any part of the Globe. Roger is canny or is it that he remembers the carefree insouciance with which many of our little group hazarded life and limb—to say nothing of reputation—in the Field Days of our earlier years? Roger adds that he is glad to be back in early New England, which is a pious thought. It is perhaps pertinent to add that his fellow in-dwellers in this traditional home of conservatism would be glad to see him.

Frank Holmes sent in a list of a number of companies under the caption of "present occupation." Of course we all know that his main job is assisting Freddy Boyd to combat the dull monotony of existence, but I suppose the other sounds more respectable. He then proceeds to paint the lily by adding, "there is absolutely nothing interesting in what I am doing." Can it be that the imperishable youth of our Freddy is suffering a decline? But the thought is both horrid and incidentally highly improbable. Frank adds one interesting piece of history which I quote verbatim "... the Superintendent of the Water Works at Brookline called me yesterday and said that he had found a golf ball with my name on it in one of his filters in West Roxbury. I always knew I was wild, but I never thought I could drive from Charles River Country Club to West Roxbury." The analytical and optimistic mind of your Secretary produces the alternative pleasing hypothesis that a dishonest caddy was drowned in the Metropolitan water supply, but fears that this is too good to be true.

Frank Cady writes from Nela Park where he is associated with Technology's fugitive chief executive as follows: "I am in charge of three small shops giving service, in special lamps, in instrument and machine work, and in wood work, to the research laboratories; in charge of library and assisting Dr. Nichols in administration of Pure Science Laboratory; and provide the Illumination Index and Progress report for the Illuminating Engineering Society. When the present Research Department was formed with Dr. E. P. Hyde as Director of Research in 1921, I was made manager of the department. It was intended that this department should supervise and give service to all research work carried on by the National Lamp Works of the General Electric Co. In the Progress Report for the Illuminating Engineering Society, I am writing what amounts to a yearly history of activities in lighting. I have joined the Canterbury Golf Club of this city, and hope any of the men passing through will look me up and give me a chance to cross clubs with them."

Fred Bass writes from the University of Minnesota where he is Chairman of the Civil Engineering Department with a certain measure of acerbity that is undoubtedly warranted, that all but two members of the class missed a most satisfactory, stimulating and interesting occasion by not being present at the Alumni Dinner last year. With a reticence less than candid he makes no reference to the food. The Class of '01 is frankly remiss in meeting their obligations—God knows there is no one more acutely conscious of this than is your Secretary—but I hope that the same reproach may not be made of this year's attendance.

Financing Your Foreign Trade



Main Office, Court Street

OUR Foreign Department offers every modern banking facility for financing international trade.

It is always glad to furnish information on trade conditions, and the credit of foreign names, and to quote, upon request, rates of exchange on all countries.

Old Colony Trust Company

Boston, Massachusetts

1902

FREDERICK H. HUNTER, *Secretary*, Box 11, West Roxbury, Mass.

BURTON G. PHILBRICK, *Assistant Secretary*, 276 Stuart St., Boston, Mass.

Fifteen classmates gathered at the Engineers' Club, Boston, on the evening of Friday, December 14, for a class dinner. Captain Clayton M. Simmers, U. S. N., was the guest of the evening and gave a most interesting talk on his experiences as a naval constructor, particularly about the problems which had been encountered and solved in the development of the newest type of naval vessel, the airplane carrier. Captain Simmers' talk was illustrated by slides and was followed by informal questions from the listeners. Those present were Ames, Dickson, Fowler, Gardner, Hooker, Hunter, Moore, Nickerson, Patch, Philbrick, Reynolds, Taylor, Walker, Whitney, and Williams.

The surprise of the evening was the appearance of Fred Fowler, who has not been at a Boston gathering since he left Tech in 1900. He is doing special right-of-way work for the Edison Electric Co. of Boston and is living at 191 Audubon Road, Boston. Life in the Hub seems to agree with Fred as he is carrying more weight than when the Secretary last saw him in Springfield, some six or seven years ago.

The Mixer brothers, Jason and Charles, have moved their offices to 270 Commonwealth Avenue, Boston. The Mixer headquarters has been at 180 Marlboro Street for so many years that it is going to be difficult for the Secretary to get used to the new address. Jason Mixer is living out in Brookline at 132 Fisher Avenue.—Arthur Nickerson is living at 95 Langley Road, Newton Center, Mass. As reported before, he is with the Engineering Department of Stone & Webster.—Lou Cates is Vice-President of the American Mining Congress.—Arthur Nichols, of the firm of Morell & Nichols, landscape architects of Minneapolis, was recently chosen to the Board of Directors of the American Society of Landscape Architects.—Robinson has severed his connection with the Grinnell Company of Providence to take a position as Engineer in the Improved Risk Department of the National Fire Insurance Company of Hartford. Robbie's residence address is 28 South Quaker Lane, West Hartford, Conn. Robbie and Chauncey Manning attended the joint meeting of the Technology and Cornell Clubs of Hartford on December 12. They challenge other centers to show a

100% turnout of '02 men for any Tech gathering. We await word from Chicago which takes all defis.—The residence address for Albert A. Haskell (Bert) is 9 Governor's Avenue, Winchester, Mass.

We record with regret the death on September 11 of Mrs. Carl R. Krueger who was formerly Miss Lora R. Culver, of Course V. Miss Culver was for some time after graduation an assistant to Professor Henry P. Talbot of the Institute. In 1906 she married Mr. Carl R. Krueger and has since resided in Schenectady.

1903

CHESTER S. ALDRICH, *Secretary*, 10 Beaufort Road, Jamaica Plain, Mass.

GILBERT H. GLEASON, *Assistant Secretary*, 25 Huntington Ave., Boston, Mass.

During December news has been received of the death of William E. Helmick of Cincinnati, Ohio, but no details are available at this time.

It has been reported that Francis D. Kehew's address is 39 Banks Road, Swampscott, Mass., and John R. Bates' is 406 Casino Avenue, Cranford, N. J.

Walter H. Adams has entered the employ of a textile mill at Los Angeles, manufacturing a line of cotton goods.

Your Secretary realizes that the Holiday Season is perhaps a difficult time to get news, but he would welcome some more tangible sign of activity from our regional committee.

Our best wishes are extended for a happy and prosperous New Year.

1905

ROSSELL DAVIS, *Secretary*, 19 Thorndike St., Beverly, Mass.

S. T. STRICKLAND, *Assistant Secretary*, 26 Pemberton Sq., Boston, Mass.

Jim Barlow, who resigned as City Manager of New London, Conn., on September first, gives the following explanation: "The newspaper article that I have resigned as City Manager is correct. Yes, it was purely voluntary on my part and came as an entire surprise to the council and to the city. I felt that I had done my part locally in bearing the burden of getting the new form of government well under way. From my somewhat

1905 Continued

extended experience in public life, it seems to me that one is frequently building on a foundation of sand and I felt I wanted to devote my efforts to private work, which I am now doing as business manager of the D. E. Whiton Machine Co., New London. Mr. Whiton, the owner of this plant, is a member of the City Council and was Mayor during the first year of the new government. Under separate cover I am sending you a copy of our first year's report. You might be interested in hurriedly glancing it over."

The report shows he was in charge of such varied activities as City Treasurer, Schools, Health, Police, Charity, Employment, Fire, Ferry, Water Works, Piggery, Streets, Parks, etc. It was doubtless with some feelings of relief that he left this turmoil for the relative calm of a concern manufacturing machine tools.

What's the matter with North Carolina? Last month we recorded the exit of Howland and Simonds. Now we find Forest Sprague has left the turpentine state and only Harry Atwood is left. But if Harry has kept us posted as well as the other three, he, too, may now be in the North.

Sprague is a fellow-worker of the Endicott Johnson Corporation, makers of leather and leather shoes, Endicott, New York. He writes: "I can't say that I make the leather for Endicott Johnson shoes. I am simply analytical and consulting chemist for their five tanneries, and have the honor of being the first chemist ever employed by them, and have equipped the first lab that they ever had. I feel a great responsibility for the reason that it has been a well-known fact among, and discussed daily by, tanners and leather chemists, that Endicott Johnson would never employ a chemist. After holding off for twenty years, they decided to take a chance, and if I fail to convince them that 'Better Shoes For Less Money' can be made with the aid of a leather chemist, then they may decide to go another twenty years without one. In that case, chemistry will have lost another opportunity to benefit industry, and hence the responsibility."

"I am doing more consulting than analytical work, however, and take some part in the tanning of the different leathers. Have installed one new line of leather, which is a result of former experience."

"We are the world's largest single shoe manufacturer and tanner. Our capacity is about 125,000 pairs of shoes a day. As regards sole leather, we undoubtedly make more than double the amount of anybody else, in one tannery."

Architect Bosworth's sketch of the future lake in the great court has caused favorable comment. Bob Lord says: "I'm glad they're going to have a pool at last. It will be mighty handy for a plunge before classes." Hub Kenway adds, "It will seem like old times to get soaked right in front of the Tech steps." Ralph Nesmith who has been with the U. S. Rubber Co. for a long time was moved from the Hartford factory to Providence and, more recently, to the Morgan & Wright factory, Detroit. Bob Farrington's name appears among the guarantors of the Boston Symphony Orchestra, demonstrating the effects of his liberal education.

Herbert Files is with Cross & Brown Co., 18 East 41st Street, New York City. That he has a job of some little responsibility is evident from the following account he gives of himself. "I have a job of 'chief janitor' with a real estate firm here in New York. It is my job to operate and manage about one hundred-twenty city buildings, some large, some small, and try (only try) to keep about one hundred owners, eight hundred tenants and sixty men in our office satisfied and contented. My being an engineer and a Tech man, besides, is supposed to be an asset. Among the buildings under our management are the Fish Bldg., the U. S. Rubber Bldg., the Bush Bldg., the Strand Theatre and Fitzgerald on Broadway and the Gotham Bank Bldg. Like all work, it has its disagreeable and pleasant sides. It keeps one very busy, but I do find a little time to spend with my family and to play golf."

"You may be interested in the following data: I have (1) one red-haired boy aged four, (2) one red-haired girl aged eleven and (3) one wife."

Listen to this: "I hesitate to write for I fear you will publish my letter in The Review just as it is written, and I am still an engineer, or at least trying to be one, and you know we engineers never can write anything worth publishing, even if we have something that might be interesting and worthwhile, if expressed in decent English. When we don't have anything, as in my case, then our letters are terrible."

This is from modest Charlie Johnston who, with tears in his eyes, asked us, upon our honor, just to put his facts in a brief note written by ourselves. But "We Engineers never can write anything worth publishing" and always leave it to our correspondents. This we carefully explained to Charlie who finally permitted us to quote as follows: "I am still Manager of the Virginia Smelting Company, with plant and offices at

West Norfolk. We make liquid sulphur dioxide, and since getting the plant to really run so we had something to sell, I have been most busy finding uses for the product, then in inducing people to use it for those purposes. West Norfolk is close to the city of Portsmouth, a city of some 58,000 people, which city in turn is just across a narrow branch of Hampton Roads from the larger city of Norfolk. If there is one thing that I think I have heard said about engineers more than any other, it is that engineers do not, as a rule, assume their just responsibilities in the community in which they live. For the first ten years out of Tech I didn't see any chance to do anything but work, but after I had been here for three years, and still had done nothing for anybody, including myself and family, I was elected to the Portsmouth Rotary Club. That club did me the honor to elect me, a Yankee, their second President and I was not a charter member either. At the end of the year during which I served, they sent me as their delegate to Edinburgh, Scotland, to the International Convention. That was in the summer of 1921. Last summer I took my family to the convention in Los Angeles, California, going out on the Dixie Special, traveling via the southern route and stopping off at all points of interest. We came back through San Francisco, Portland, Oregon, Butte, where I once worked for a few years, Yellowstone National Park, St. Paul and Chicago. It was a fine trip and we thoroughly enjoyed it.

"I have had the honor to serve the community in several matters, and at present am Second Vice-President of the Norfolk-Portsmouth Chamber of Commerce. The Chamber has some 2,200 members, and is doing some good work for our community. I am going to New York tomorrow as a delegate to the annual meeting of the Chamber of Commerce of the U. S. A. I am also one of the two members from Portsmouth on the Norfolk-Portsmouth Freight Traffic Bureau, which has recently been formed to handle important matters connected with the development of the port. This bureau is largely supported by the two cities and we have some \$35,000.00 a year for expenses."

It would seem to be a fair conclusion that Charlie is a poor Engineer and a good Citizen. We hope that we may be permitted to present more equally "terrible" letters in the future.

1907

BRYANT NICHOLS, *Secretary*, 2 Rowe St., Auburndale, Mass.
HAROLD S. WONSON, *Assistant Secretary*, W. H. McElwain Co., Manchester, N. H.

Nothing has come to your Secretary during the past month and he has had absolutely no time to dig up anything. He hopes for a better showing in a forthcoming issue.

1909

CHARLES R. MAIN, *Secretary*, 200 Devonshire St., Boston, Mass.
GEORGE A. HAYNES, *Assistant Secretary*, 186 Lincoln St., Boston, Mass.

The Secretary is indebted to Ray Temple for the following: "It will interest you and possibly be worthy of mention in The Technology Review that I have just received a card from Riojo Onuki, '09, II. He and his family live in Tokyo, and survived the earthquake without injury. He promises a full account of the disaster in a letter soon."

Announcement has been received of the death of Francis H. Dunnington in September, 1923.

Carl Gram writes as follows: "I noticed in the class notes of the last issue of The Review that among the 'Baby grams' was one from Smut Nesbit. I thought you would be interested to hear of a real 'Gram Baby,' by name, Gloria, who arrived on October 5. Today, December 5, is already her second birthday."

Hugh Lofting is the author of "Adventures of Dr. Dolittle." An account of Lofting's trials and tribulations while at the Institute, the difficulty which he had with mathematics, and how he finally achieved success in the literary field, appeared a short time ago in one of the Boston papers.

1911

ORVILLE B. DENISON, *Secretary*, Room 3-207, M. I. T., Cambridge A, Mass.
JOHN A. HERLIHY, *Assistant Secretary*, 588 Riverside Ave., Medford, Mass.

At this writing (day after Christmas) I have just returned from a most delightful trip among the Technology Clubs in the Middle West and as I had anticipated I met a lot of '11-ers and it surely did seem good to see and talk with them.

In Detroit I was greeted at the station by Minot Dennett, '11, President of the Detroit local club, and two other officers of the organization there. Minot and his charming wife certainly

ESTABROOK & CO.

SOUND INVESTMENT SECURITIES

15 State Street
Boston

24 Broad Street
New York

HARTFORD

SPRINGFIELD

PROVIDENCE

NEW BEDFORD

1911 Continued

did a lot to make my visit there a delight as well as a real success. Then I met and chatted with Joe French, architect, who is associated with Albert Kahn, Limited, and is at present just across the lake at Ford City, Ontario. Another regular fellow with whom I had a fine get-together, was the famous Mike Greenleaf, erstwhile Thespian manager, but now proprietor of a fine accessory station, specializing in electric systems for autos.

In Cleveland, I met Arthur Coleman and Chet Dows, both of whom were originally '11-ers, but who were graduated with 1912. Continuing from there to Akron I renewed acquaintance with a fine bunch of boys. Joe Dunlap and Larry Odell of the Goodyear outfit; Harry Alexander and Karl Kilborn of the Seiberling organization; Harold Pushee of the General Tire & Rubber Co.; and Bill Shepherd of the Goodrich crew were the ones it was my good fortune to meet, and I was indeed sorry to miss B. Darrow, who was away from the Goodyear plant on a business trip to Massachusetts.

There are two well known 1911 men at Dayton — E. N. Fales and Heinie Kenney — both of them in aviation work at McCook Field, but as luck would have it Fales was out on sick leave and Kenney was in New York the two days I was in Dayton. Then in Cincinnati I met two architects who are partners and real leaders in the professional and social life of the big Southern Ohio metropolis. In the well-known G. & S. lingo: absolutely, Mr. Kruckemeyer; positively, Mr. Strong. That dapper duo — Ed Kruckemeyer and Charlie Strong!

Indianapolis seems devoid of '11-ers, but one or two asked me how Dick Ranger, a home-bred Hoosier, was getting along. I said: "All right, in fact fine, but you know he just got married!" And that's the truth, mates, Richard, the Ranger, is no longer single. He jumped off last month and he and Mrs. Ranger, nee Lewis, are now just the happiest couple you ever did see. Ain't nature grand?

I spent a delightful day at Urbana, Illinois, where there are about a half dozen Tech graduates who are professors at the University of Illinois. H. E. Babbitt, '11, and his splendid wife made my stay there most delightful. Getting a good start from there I finally crossed the Mississippi for the first time in my travels (you thought I was going to say career, didn't you?). In St. Louis there seemed to be but one '11-er, Henry W. Hall, and although I had a nice chat with him on the 'phone I was

not able to really see him due to the fact that his wife was rather seriously ill.

My last stop was in the "Windy City" and while there I established contacts with Jim Duffy of the A. E. White Company, industrial engineers; A. H. Peycke, who has certainly arrived with the American Steel Foundries; Bill West, who is one of the live wires of the Chicago alumni and a national officer of Phi Kappa Sigma fraternity; John L. Wilds, now Vice-President of the local company of the Factory Mutual organization; and Ed Woodward of the Simmons-Boardman Co., publishers of technical journals. Unfortunately, I just happened to miss connections with Zeke Williams, who is now working out from Chicago for the National Cash Register Company.

Mr. and Mrs. Don Stevens sent out one of the characteristically clever Christmas cards (the C's have it!) this year announcing "We have built a new home and the latchstring is out." It is located on Woodland Avenue, Ridgewood, New Jersey. From 330 Lincoln Avenue, Rutherford, New Jersey, came a clever greeting from the Bob Moses, with a darling picture of Jane Elizabeth, their young hopeful, saying, "Hello!! Hello!!" through a 'phone at least half her size. I also had an interesting Christmas card from Kanezo Goto in Tokio, Japan, which happily reveals the fact that although in the thickest of things he was not lost in the great Japanese catastrophe. We have just learned here in the Alumni Office that Wilson Y. Stamper, '11, now has a captain's commission and is attached to the office of the Adjutant General of the United States Army in Washington, D. C.

One little reminder in closing. Strangely enough, there seems to be much less heed paid by '11-ers to the well-known "Write to Dinnie" phrase since I have assumed this position of Executive Secretary. Personally, I had hoped the curve would have an entirely opposite slope. Let's start the slope of the curve upwards again and now while you're thinking about it "W. t. D." I thank you!

1912

FREDERICK J. SHEPARD, JR., Secretary, 568 East First St., South Boston, Mass.

D. J. McGRATH, Assistant Secretary, Technology Club of New York, 17 Gramercy Park, New York City

By far, the most important item in 1912 doings is the addition of Dave McGrath to the Editorial Staff of the Notes.

1912 Continued

In fairness to Dave, it must be stated that he was reluctant to be associated with an organization so nearly down and out, but finally was persuaded to lend his aid to so worthy a cause. In all probability, the fact that Dave came back to Boston for Christmas had something to do with his accepting this position of trust, as one finds it hard to be grouchy at or around Christmas time.

Closely following the above announcement of importance is the announcement of the marriage of C. H. Morrill, XI, to Miss Alice Moore, on December 22, at Magnolia, Mass. They will be at home at 24 Phillips Street, Greenfield, Mass., after June 1.

The Secretary is more than pleased to note this important event in Morrill's career, especially after having reported his untimely death only last year.

A second marriage is that of Joe Boyer who was with us Freshman year. Joe was married to Miss Blanche Davis, of Gloucester, on December 18, 1923. Joe is now a lawyer practicing in Boston.

Elliott Tarr, VI, reports that Gloucester has quieted down after the fishermen's races of last fall, to a lonely winter. He is actively engaged in securing a berth for Johnny Bray on one of the bank's fishermen for a trip during the Christmas vacation. John evidently needs a change from the quiet life from a Professor of Mining at Lehigh.

The New York boys are getting lots of enthusiasm at their monthly luncheons. At a lunch held on December 13 at the Technology Club, there were fourteen present. This is probably the largest number of 1912 men who have ever been together at one time after graduation, excepting at the reunion held at Plymouth. They came in from all around, Ralph Ferry making the trip from Edgewater, New Jersey, and Bob Wiseman coming in from Passaic, with Coddington and N. A. Hall coming over from Newark. They are holding a class dinner on January 24, which unfortunately could not be included in the notes. Full report will follow later.

Herbert W. Hall is now located in Westfield, Mass., where he is Managing Director of the Hotel Bismark. Since graduation, Hall has been with the G. A. Fuller Construction Company, of New York, and later was Manager of the Thorndike Hotel in Boston. Serving as First Lieutenant of Artillery during the War, he saw active service with the British, French, and later, American forces, being gassed eight times. He was cited for

exceptional bravery, and decorated with Distinguished Service Cross. After being discharged from the hospital he resumed hotel work with the Bowman Hotel Corporation, as Assistant to the General Manager, located at the Biltmore. As his health necessitated a change, he went to Palm Beach where he was connected with the Everglades Club. Returning North, he built and managed the Brooklake Country Club in Madison, New Jersey, remaining there until he was again forced into the open for his health. Lately, he has been with his father and brother on the Sunnyside Ranch, in Westfield.

Ralph Ferry, II, writes in that he enjoyed seeing our cross-country team perform at Van Cortlandt Park. The conditions were hardly ideal for which Ralph considers a real cross-country run, as wooden hurdles and a poor excuse for a hole were the only obstacles encountered, the runners passing the spectators five times.

Dr. S. J. Schofield sailed for China on October 11, to undertake a geological investigation of Hongkong in the interest of the Geological Department of British Columbia.

In order that Dave may make his debut a howling success, won't everyone take it upon themselves to send in the news for the next issue?

Charlie Carpenter, II, is now with the Automatic Refrigeration Company, located at 618 Capitol Avenue, Hartford, Connecticut.

1913

FRED D. MURDOCK, *Secretary*, 30 Bartlett Avenue, Arlington, Mass.

R. CHARLES THOMPSON, *Assistant Secretary*, 26 Cedar St., Watertown, Mass.

It is the morning after Christmas, and before me glares a notice from the editors that class notes for the February issue are due at nine a.m., December 26. At the moment I am located some thousand miles from Boston, and that is really a long distance from the source of raw material. But my willing colleague, Charlie Thompson, does not relish writing notes, and I do not blame him, so I must write them. Before me I have as raw material a press clipping, and three notices of changes of address, one of those my own. The press clipping is from the *Boston Globe* for October 25, telling that Johnnie Welch has been married and is on his way back to New Orleans via Niagara Falls and Washington. Johnnie has concealed well from his classmates the fact that for the past eight years he has been plying his trade of chemical engineer at the mouth of the Mississippi.

The change of address cards bear the names of Mr. Yu Lin Wu, and Ferdie Pendleton. The former is at Nanyang University, Shanghai, China, and the latter is with Skinner Sherman & Esselen, Inc., of Boston.

Reading over the above it gives one the feeling that the writer must be turning out copy at so much per word. I shall make it brief. Extreme brevity in a batch of notes always brings forth a long letter or two in lament over the decline of class eminence or whatever it might be called. A year ago Ken Blake wrote the most delicately perfumed bawling out that I ever got and it made wonderful copy for the next issue. Alas, Ken has gone the way of the reformers who have boiled up quarterly during the decade that it has been my pleasure to be chronicler of class news. He has sunk back to complacency. He didn't even show up at the reunion where I had challenged him to a duel of swords or words, his choice. Amen.

1914

H. B. RICHMOND, *Secretary*, 62 Tufts Street, Arlington, Mass.

G. K. PERLEY, *Assistant Secretary*, 45 Hill Side Terrace, Belmont, Mass.

Was it Shakespeare who said that it was the persistent reappearance of rent day that gave us the true measure of the swiftness of fleeting time? Nero, being a musician instead of a fire chief, simply quoth, "tempus fugit," while "Much ado about nothing" is today the political antithesis of nothing doing. All of which means that while you have been dreaming that nothing is being done about the Ten-year Reunion; the reunion is well mapped out and is only four months away. The official 1914 newspaper will publish all of the thrilling and necessary details. This paper is for fourteeners only and fashion items will not be included for the ladies are not to attend the reunion. We will see them in 1925 at the All-Technology gathering. Any fourteener desiring the official newspaper to go to his business address instead of his home address should notify the Secretary at once. The paper will be sent in a plain wrapper and marked personal whenever so requested. For charity's sake the name of the editor will never be made public.

Perhaps news has not been scarce this month! Every four-



Robert A. Boit & Company

Insurance
OF ALL KINDS

40 Kilby Street

Boston, Mass.



Capital \$2,000,000.00



Surplus \$2,500,000.00

BUSY MEN

appreciate the relief afforded by depositing their securities in our Trust Department, thereby freeing themselves from the tedious details of cutting coupons, etc., at the same time retaining complete personal control over the larger problems of investment.

STATE STREET TRUST COMPANY**Boston, Mass.**

Main Office: 33 State Street
Copley Square Office: 581 Boylston Street
Massachusetts Ave. Office: Cor. Mass. Ave. & Boylston St.

Safe Deposit Vaults at all three offices

Incorporated 1891
Member Federal Reserve System

1914 Continued

teenager must have been having a brain storm about his wife's Christmas present and, accordingly, forgot all about the Secretary. There is never a month too dull to find something about Pat Adams in the local papers. The following appeared in the December fifth Waltham (Mass.) News:

"Unknown to the municipality or to any of the officials, Waltham was crowned with a new square last night. With all the pomp and ceremony that goes with similar occasions, that corner at which Sun Street intersects Fern Street was dedicated 'Porter Adams Square,' in honor of the famous Brookline war hero and aviator. The dedication was amply taken care of by a group of youthful admirers whom he had sponsored in sporting activities by the purchase of suits and paraphernalia. Instead of going to the city fathers for the requisite permission to honor their benefactor, the boys decided on speed as their controlling factor, and the whole ceremony was put through last night at about eight o'clock amid cheers, singing and other stunts.

"To celebrate properly the raising of their gilded sign bearing the legend on its face, the ring-leaders of the dedication decided upon a drastic move. Gathering together whatever rubbish and burnable material they could muster on the spur of the moment, the boys started a real bonfire on the new Adams Square, raising a sign amid much enthusiasm by the light of the flames. Everything went along as per schedule until the chemical of the fire department was called out on a 'still' and this quickly extinguished the unruly flames. The boys were helpless to stop this sacrifice, but you can bet they saw to it that their precious sign stayed put.

"Unless further activity from guardians of law and order is in evidence, the sign can today be seen fastened to the lamp-post on the corner, a silent testimonial to a great man, by an appreciative following."

The Boston monthly luncheons have been continued according to schedule. On December fourth, Ahern, C. H. Williams, H. S. Wilkins, Petts, Blakeley, Tallman, Crocker, Perley, and Richmond gathered at the Boston Tavern. The only official business transacted was to transfer these monthly luncheons to the Engineers' Club.

The New University Club is being much discussed in Boston. The proposition is so attractive that your Secretary has sent out a letter regarding it to Boston fourteeners. Every fourteener in Greater Boston is urged to join before it becomes too late.

The Miami (Fla.) *Metropolis* of November 17 contained an

interesting article on the construction work being carried on by the firm of Sandquist & Snow. Snow, as you will recall from several items that have appeared before in these notes, is W. A. of Course II. Snow is also Secretary of the Association of General Contractors of Miami and Miami Beach.

E. L. Osborne has opened offices at 119 Water Street, Boston, as consulting specialist to public accountants, industrial engineers and attorneys. He is specializing on business analysis, organization plans, management reports and graphic presentation.

A. F. Graham has taken over the sales of the electric boilerette manufactured by the Riverside Boiler Works of Cambridge, Mass.

1915

FRANK P. SCULLY, *Secretary*, 118 First St., Cambridge, Mass.

HOWARD C. THOMAS, *Assistant Secretary*, 100 Floral St., Newton Highlands, Mass.

The difficulties of a Class Secretary are legion. Five replies were all that were received in answer to two hundred and fifty postals asking for news. The success of the class letter is up to the men themselves and I trust that the reading of the scant news in this letter will cause some qualms of conscience among those who really should write in. If there were a few more like A. H. Anderson, class news would be interesting.

He writes from The Pontiac, in Oswego, N. Y., that he is just temporarily loaned from the New York tunnel job and is putting in some foundations for a good-sized grain elevator. He states, "It looks like a cold winter but I'm fixed up O.K. for it." There are a number of interpretations that could be placed on this. Oswego is not very far from the border, I understand.

Edward E. Proctor from 447 Bloomfield Avenue, Passaic, N. J., writes: "Your postal asking for news has just reached me. "It only seems a short time since you were calling signals for that old '15 football team, but when I look at the calendar it's over ten years ago.

"I am at present Assistant Superintendent for the Standard Textile Products Co. of Athenia, N. J. We manufacture over 300 different varieties of oil cloth—from the white oil cloth which is used on kitchen tables, to heavy weight imitation patent leather used in trunks and suitcases, and heavy upholstery and imitation leathers used for automobile upholstery

1915 Continued

and top covering. One of our best sellers is "Sanitas" — wall covering which is made in a great many designs suitable for any room in any home.

"Married blessedness — no, my wife isn't looking over my shoulder. — overtook me two and a half years ago, and we have a nine-months old girl who will probably keep her old man busy answering the front door bell and telephone in about sixteen years.

"Although living in a very wet state, I manage to keep fairly sober."

The Secretary saw Gene Place today for the first time since graduation. He has not changed much in appearance although he has been married for seven years. After having lived in about all the cities in the East, he is now back to his old home, Woburn, and is with the Employers Liability Company in their Boston office. He mentioned particularly the trip of Hank Marion around the world. I shall expect that on reading this, Hank Marion will blossom forth with a real communication telling us all about it.

J. B. Neal, X, writes on the letterhead of the Norton Laboratories, Lockport, N. Y., but I cannot tell whether he is located there or in New York City. Those who are familiar with radio will recognize Station WMAK. He says: "Along with the other 99 I have never written any news for The Review. However, I will say that on receipt of your request I wrote a letter but hoped to enclose some newspaper clippings with it describing Broadcasting station WMAK. These I was not able to get through neglect and accordingly did not even mail the letter.

"However, as a sideline, I have the management of this station and it might be possible that I could help you in your search for news by broadcasting request for the same.

"I was very much interested to see in the November notes a letter from Rege Pollard a coursemate of mine. I would greatly appreciate it if you could advise me Rege's correct address as I am not sure that the address given in The Review is complete and I would like very much to write him."

Hovey Anderson, I, is a regular correspondent. If we had a few more like him, we could have some interesting letters in every issue:

"Your request for news received but I haven't any that's so important. You know I dropped into your place last summer and didn't even get honorable mention also no word from Rooney.

"Fifteeners should write to you, though, as I'm sure that I'm not the only one that looks for The Review and turns to the 1915 gossip:

"King and I are still here on the new tunnel and everything is going along fine. I am leaving for Oswego, N. Y., this week to do a little inspecting on some caissons up there. They tell me it is a cold country up there and I'll probably put in the winter and return here in the spring.

"That's all for myself, I have not seen anybody from the class since I was over to see you last summer. Was in Boston a week or so ago for the week-end, but kept pretty busy. Still single and happy most of the time."

Paul Connor and his wife sailed on the 10th of November to spend the winter in France. Louis H. Zepfler announces the arrival of Marion Elizabeth Zepfler on July 7. He wants to know if anyone hears from Wayne Bradley.

A. E. B. Hall writes from 172 Church Street, Berlin, N. H.: "The other day when I dug out my winter suit, I happened to reach into the inner coat pocket, and the first thing I pulled out was a common everyday post card. At the top were the words, 'HELP! HELP! HELP!', and you can easily guess what

followed. At the time that card was received, I felt that I had a legitimate excuse for not writing, but for the past three months, that excuse has ceased to hold, and I am feeling more and more guilty of the charge of neglecting absolutely the good old class of 1915. It has been so long since I let anybody know where I have been, that I scarcely know where to begin. I have a distinct recollection of having attended a class dinner at the Vendome Hotel in 1920, however, so I may as well pick up the thread of the story from there. At that time I was with the Eastern Manufacturing Co. with Charlie Paine, but we did not see much of each other as Charlie spent most of his time in South Brewer, while I happened to be located at Lincoln, 50 miles further up the river. We had a fine time up there, even if it seemed to be tucked away off in one corner of the world, and were very sorry to leave when the business depression got in its deadly work in the fall of 1921.

"Then it was a case of 'job hunting' at a time when you might just as well hunted kangaroos on Boston Common. But one day I struck it right. I heard that the engineer of the Portland Water District wanted a man, so I went around and started in the following Monday morning. The job was more of a civil engineer's job than I wanted, but I was glad to get anything. However, there were three outstanding features that made the job very much worthwhile. One was the building of a standpipe just outside the city, a job which I engineered from start to finish, including the surveying of the land, the laying of the concrete foundation, and the erection and inspection of the standpipe itself. Another very interesting feature was the laying of a 16" cast iron water pipe for 1,000 feet across Portland Harbor from Portland to South Portland. Mr. Raymond F. Bennett, a former Tech man, and head of the Bennett Contracting Corporation of Portland, was the contractor. The third feature was the fact that I had the pleasure of meeting Mr. Leonard Metcalf, '92, of Metcalf & Eddy, who was retained as Consulting Engineer by the District.

"But ever since I got out of the Army, I have had a craving to get back into the mechanical game once more. I was therefore very glad when the opportunity came, in July, to become connected with the Brown Company of Berlin, N. H. At the present time I am in the Engineering Department of the Tube Mill, trying to do my share in the installation of two new units, and I find the work very much more to my liking than anything I have previously been connected with.

"Berlin may seem to be way out of the world, so to speak, but there is a mighty good crowd here, including several Tech men, and from what they tell me, I am looking forward to a much better time here, than I would have if I lived in one of the big cities.

"Judging from the last two or three Reviews I have seen, I can appreciate the discouraging position you are in when it comes time for the stuff to be sent to press. Therefore I am sending this 'modest offering' along, to do my bit, with the hope that many more will open up and come across likewise, for there are a pile of fellows, particularly from Course II, perhaps, from whom I should like to hear a word."

1916

D. W. BARKER, *Secretary*, 14 Marathon St., Arlington, Mass.
WILLIAM W. DRUMMEY, *Assistant Secretary*, 85 Washington St., Brighton, Mass.

The appeal for news has had some effect though the difficulty still remains unsolved why so few men in the class answer a call for coöperation. The Secretary again appeals to all members of 1916 to get busy and send us some news. If you want to see

WE HAVE BEEN HELPING OTHERS KEEP THE B. T. U. WHOLLY FOR THE PAST 30 YEARS.

HUNDREDS OF TECHNOLOGY MEN KNOW AND ENDORSE OUR WORK AS OF THE HIGHEST GRADE. MAY
WE HAVE THE PLEASURE OF SERVING YOU TOO?

NIGHTINGALE & CHILDS COMPANY
205 CONGRESS STREET - BOSTON, MASS.

CONTRACTORS FOR ALL KINDS OF HEAT AND COLD INSULATION

The DUNHAM

REG. TRADE MARK

HEATING SERVICE

THE TEST OF YEARS

Twenty years ago the Dunham Radiator Trap revolutionized old heating principles. It was the first fluid thermostatic trap—sure and economical in operation—good looking and lasting—and immediately successful. Since then, its principle has never changed, nor has it ever been equalled in material, construction, or in its operation by a single imitative device.

With this radiator trap as a gauge of quality, a number of kindred heating specialties have been gradually added to Dunham Heating Service. Today, thousands of buildings which have enjoyed a full measure of comfort thruout the most frigid winters testify to the efficiency of the trap and the dependability of every phase of Dunham Heating.

Keeping pace with the growing preference of architects and engineers for Dunham Service, is an organization with offices in all the metropolitan centers of the United States and Canada. Its members are well versed in the science of heating and equally familiar with its practical application.

C. A. DUNHAM CO., CHICAGO

Boston Branch Sales Office, 136 Federal Street

Telephone, Main 7663

F. D. B. INGALLS, '01, Mgr.

1916 Continued

1916 news in every issue of The Review, we must have the help of everyone who reads these notes. Don't forget our slogan, "Write to Barker."

Carathurs A. Coleman, Vice-President of the Big Rum Coal Co., Ashland, Ky., writes as follows: "Quite a lot of water has flowed under the bridges since, alas, I left the folds of the Institute, but in all that time nothing of importance has happened to me until a month ago. My engagement to Miss Dora Hoge, daughter of Mr. and Mrs. Stephen French Hoge, of Frankfort, Ky., was announced on November 2. The wedding will take place on January 1, 1924. Business being rotten to even mention in polite society, I think we shall slip off to the South Seas for a while and forget it."

"I have not seen a 1916 man in so long, I am beginning to believe that there are no more in the world. If you know of any that are about here I wish you would tip me off so that we can throw a party or so just for old-times' sake."

"I was sorry to see no notes from the class in the last Review but suppose I was as much to blame as the rest for not sending anything in to you. Still, these birds who are doing the really interesting things ought not expect us to fill space that is rightfully theirs, should they?"

G. P. Allen sends us the following from Florida: "Not having a heart of stone I'll try and fill one sheet for you. Whether I have improved since leaving the 'Stute is an open question. I've bought a radio and sometimes play nine holes of golf in about ninety. Otherwise, I am as you saw me at the reunion in June of last year."

"We are looking for the heaviest winter season the South has ever seen. The large hotels are open earlier than ever before and the railroads are giving unusual service in an effort to bring people South. It is now possible to board a sleeper in Chicago, Indianapolis, Detroit, Cleveland, New York or Boston and not leave it until you reach Miami. We are feeling it here and are busier now than ever before at this time. Our summer railroad service gives three trains a day between Jacksonville and Miami. Now we are to have eight. Almost as many as the B. & A. used to run to Wellesley. Regards to everyone. I am so far off the track I never see any 1916 men."

Away out in the wild and woolly West we find William Howard who has found time enough to send us just a few words.

"Your letter addressed to me at Trail, B. C., has been forwarded to me here at Kellogg, Idaho. I came back into the States last July and am now chief draftsman for the Bunker Hill Smelter. While that is my official title I am in reality designing engineer on a large layout of flues; spay chambers, and Cottrell treaters for the recovery of fumes from the smelter gases. I am in hopes this may develop into a good permanent position."

"I spent four years with the Northport Smelter in Washington and last year with the Consolidated Mining & Smelter Company, Ltd. of Canada. While at Trail I did a large part of the concrete designing in connection with one of the largest concentrators in the world."

From New York City, Leonard Besly sends us some news: "Yours of the first at hand and I make haste to 'make it snappy.' My permanent address is 22 East 38th Street unless, of course, old Joe Cupid knocks me for a goal, which isn't very likely to happen."

"I managed to get over to the Tech Club the other evening to hear Mr. Wallace Phillis give a mighty interesting talk on foreign conditions. He told us just what was what and he knew whereof he spoke, since he had only recently returned from abroad. There was a fine turnout to hear him and all agreed that it was an evening well spent."

"Saw Bill Shakespeare, Bickford and several other old-timers there."

Norfolk, Virginia, is heard from through C. Clinton Carpenter, who is in business there as a contracting engineer under the firm name of Carpenter & Petrie.

"Just a line in reply to your request for dope for the next issue."

"I want to say first that I had the pleasure of meeting Professor Breed not long ago when he was here by invitation of one of the civic organizations to discuss the relative merits of the bond issue method and of a 'Pay-as-you-go-plan' for the construction of a state highway system. The matter was to come up before the people of the State to be voted on and I am sorry to say that the majority favored the 'Pay-as-you-go-plan.' I believe that if more of the voters throughout the State could have heard Professor Breed's discussion, it might have changed their convictions. Mrs. Breed was here, too, and they attended

1916 Continued

the meeting of the American Society of Civil Engineers at Richmond during the same week.

"There are comparatively few Tech men in Norfolk and I almost never see any '16 men and accordingly have very little news. As far as my own work is concerned, we have been fairly busy this year. We will finish the Bunkering pier for the Butler Belt Line Terminal at Berkley, Va., in a week or so and we have additional work there on the same project.

"In addition to that, we have a contract with the State Highway Commission for construction of three reinforced concrete bridges, one of which we are now constructing. We will begin on the other two as soon as the temporary bridges are completed to avoid interruption of traffic. We have had mighty fine weather for construction work in the last few weeks and I am hoping it will continue, although, of course, there is sure to be some bad weather in the winter.

"I notice that in the last Review we were among the classes that had no news to publish and I sincerely hope that your efforts will be rewarded so that there will be plenty of material to fill a lot of space in the next number."

Edward B. Peters is Chief Draftsman of the Narragansett Electric Lighting Co., Providence, R. I.—Earl C. Pitman, X, is Chemical Engineer with the E. I. du Pont Co., N. J.—G. E. Ray is now with the Boston & Maine R.R. at Salem, Mass., as bridge inspector.—E. S. Robinson, VI, is with the American Nokol Co. in Chicago. Too bad he is not located here in Boston so that he might help some of us New Englanders on the heating question this winter.

Bradford Stetson writes: "One questionnaire was filled out and sent to some one on Federal Street. I wonder how many of the others were sent to the same place? It may turn up later, as it usually takes six to eight weeks to send a letter from Arlington to Providence, R. I."

Earl H. Townsend, III, leads us all at present in size of family. He has four children, three daughters, Barbara, Frances and Eunice, and one son, David E.—N. Julian Thompson, XIV, who used to fill the old Union with music, is now a development engineer with the Stamford Rolling Mills, Springdale, Conn.—E. M. Wanamaker, III, the famous hockey player, is now with the Raritan Copper Works, Perth Amboy, N. J.—Harry E. Whittemore is Manager of the Whittemore Co., Roof Engineers, San Diego, Calif.—Here is another man with several jobs on his hands. William R. Willets, Jr., Montreal, Canada, is Director

of the Imperial Pin Co., Director of the Colonial Fastener Co., and Treasurer of the Patent Button Co., all of Montreal. Guess we will have to go up to Canada where there are more positions than there are men. Not like that in the U. S. A.—Leroy W. Wilson, IV, is now located at Calle ve la Reforma, Oaxaca, Republic de Mexico.—F. E. Drake is now manager at the Summer Street Store at Schraffts. He started in there slinging sodas two years ago, and after going through the business, has finally reached the top. Now all he does is feast on chicken and 40% cream, and yet he is as skinny as ever. Any one of 1916 who happens to be around 11 Summer Street, will be sure of a welcome from Drake. Have the cashier page him, as he stays out of sight most of the time.

Lowell is fast becoming a 1916 city. Bousquet and John Woods are at the U. S. Cartridge Co. and Crosby and Naunburg are at the Saco-Lowell Shops. Woods is at present trying to make an electric motor that will run your victrola. It will run on any current, and all that one will have to do is change the needle. He still has his 1916 Rolls Royce, which has carried him through several accidents. He has resolved never to crank a Ford again, after three experiences with a broken arm.—Rusty White has left the State of Washington, and is now located at Twenty-first and Telegraph Avenue, Oakland, California.

1917

RAYMOND S. STEVENS, *Secretary*, 30 Charles River Road, Cambridge, Mass.

Bill Eddy and Monty Lovejoy have been cruising among sink holes of the Cape Cod marshes, shooting at plover, canvas backs, black duck, mallards, snipe, pelicans and dodos. Bill recently purchased two bird dogs and has taken out hunting licenses in several states. His purchases of "double choke" guns, ammunition and supplies have gained him the prized intimacy of the leading sporting goods dispensers of the Boston and Virginia sections. He talks of little else, but has not given up his engineering avocation, his altruistic effort in pursuit of the Massachusetts mosquito. He has an invitation to drop down to Texas for a week-end of tarpon fishing with Bob Gay, but is still debating acceptance.

Following Rad Stevens' glorious example, Carleton Dean has hurled himself into municipal politics, hurled himself and his Ford coupé. By yeoman service, by bringing voters from adjacent towns in sufficient numbers, he carried his man into office and was immediately made Lord High Commissioner of the Woburn Water Works. There was but one fly in the soothing ointment—one Eddy, of a firm of sanitary engineers immediately demanded of him a huge contract for the renovation of the city sewerage system. Failing that, he asked exclusive hunting rights in the Woburn parkway.

Brick Dunham of Walter Baker & Co., Ltd., chocolate, cocoa and the trademark grandmother of Old Dutch Cleanser, made recently another trip to Montreal. He was pleased to report that he found no classmates there, with or without legitimate errands. Brick has been fortunate in being assigned creative reorganization work in the Montreal plant of his company, and has met with excellent success.

W. A. Gray, Jr., of the General Engineering Department of the Standard Oil Co. of New Jersey, came to Boston during the holidays. He brought photographic evidence of the deer he shot during his hunting trip at the Hartwood Country Club last fall.—We have received announcement of the association of Arthur E. Dowell, Jr., with the firm of Alexander & Dowell, Washington patent attorneys, a firm established in 1857. It has been suggested that our brilliant Course II men—Baxter not the least—should furnish the firm ample business. Dowell may be remembered better as Blondey.—Elizabeth Ann Whitman arrived on December 18 at the Cambridge Hospital. Professor W. G. Whitman immediately reported the astounding discovery that one baby could be distinguished from others. We believe this discovery has been made by previous investigators.—Deac Young asks us to "tell the world through our 1917 column" (which slightly flatters the class and the column) "that he is the proud daddy of a baby girl, Marilyn Marsh Young, born on June 16, 1923." Young College and Fraternity Supplies is reported by Dun to be enjoying a satisfactory growth, with representatives in every state and in two hundred and thirty-five colleges this year.—Ed Tuttle is managing operations for the Blue Diamond Materials Company at West Roxbury, producers of wet plaster for use in building construction. If you have difficulty in locating the company, as we did, follow Ed's advice—look for the company with the biggest ad in the telephone book. In addition to their difficult production problem he has been obliged to entirely revamp a complicated distribution system.—Paul Bertelsen planned a trip to Europe on the Aquitania during January.—L. W. Stevens, XV, has for some time

Dill & Collins Co.'s



High Grade Printing Papers

Especially Suitable for Collegiate Publications. Chosen by The Technology Review for this Magazine

Manufactured by

Dill & Collins Co.
PHILADELPHIA

BOSTON NEW YORK ROCHESTER BALTIMORE

TOURS CRUISES INDEPENDENT TRIPS

The Mediterranean
Iceland, North Cape
California
Hawaii
South America
Europe
Florida, Cuba
Bermuda

Among the manifold Raymond-Whitcomb activities are (1) our famous winter cruise through the Mediterranean visiting a dozen and more of its historic cities; (2) foreign tours, (particularly to South America and Europe) far from the reach of winter; (3) American tours, affording a wide variety of vacations in California, Florida, Cuba

and Hawaii; (4) our Annual Summer Cruise to Iceland and the North Cape, sailing June 26, 1924; (5) our "independent service" at home and abroad, offering incalculable assistance to those who wish to travel "without escort" by providing in advance all transportation, hotel reservations, automobiles, etc. Send for our descriptive booklets and illustrated guides.

BOSTON—17 Temple Place

NEW YORK— $\left\{ \begin{array}{l} 606 \text{ Fifth Avenue} \\ 225 \text{ Fifth Avenue} \end{array} \right.$

PHILADELPHIA—1338 Walnut Street

CHICAGO—112 South Dearborn Street

SAN FRANCISCO—657 Market Street

LOS ANGELES—458 South Spring Street

RAYMOND & WHITCOMB COMPANY

Executive Offices—

Beacon & Park Streets, Boston

1917 Continued

been General Manager of the Koehler Manufacturing Company of Marlboro, Mass. His company produces the Wheat Miners Lamp, steel stampings and special small metal work.—Samuel Siegel has taken offices at 1 Beacon Street, Boston and is practicing patent law. He now has a Georgetown degree of Master of Patent Law.—Rad Stevens was married to Miss Helen Ruth Rinehimer in Elgin, Illinois on December 1.

John Keliher appeared in the newspapers recently and as the editors refused to publish the item under "Tech Men in the Public Eye" this seemed the next best place. The Register of Former Students does not give his course, but he will be well remembered by some of the class, particularly perhaps those fond of hotel room golf. We quote the *Boston Herald*: "Prohibition Agent Cola M. Early and a party of 'guests,' were served old-time highballs in pre-prohibition fashion at 'Highball John' Keliher's place at 128 Dartmouth street, he testified before United States Commissioner Hayes here yesterday."

"He told John he wanted one of his 'justly famous highballs,' and declared that John escorted him to a table, where a highball shortly was produced by a waiter.

"The place was raided on November 10. The agents somehow found nothing there but a case of 4 per cent. beer — hardly worth the finding. 'I personally believe Mr. Keliher is the dupe of his servants,' Commissioner Hayes declared. He held 'Highball' for the jury, however."

We can imagine poor John's astonishment and chagrin when the awful truth dawned upon him — when he found his own trusted servants dispensing beer. His astonishment could only be compared with our own when the *Post* announced that Charley Wirth's real name was Patrick Foley.

We have this pleasant word from Arthur C. Carlton, from 1300 St. Paul Street, Baltimore, Md.: "I had excellent intentions of writing before but perhaps you are aware that someone has said that good intentions are used as paving material. So that this letter will reach you much too late to be even a much belated Christmas gift — so instead let it wish you as well as all other '17-ers a Very Happy and Prosperous New Year.

"I remember having seen several of my letters, dated from Chile, printed in the Class News so shall only say that I spent a little more than three pleasant years at Chuquicamata, at which place is the mine and plant of the Chile Exploration Company. Living there sometime during my stay were Clark,

'09, Osborn, '11, and Vold, about '21. A number of M. I. T. men passed through.

"I left Chugin on January 24, 1923 and arrived in New York on May 10 and in the interim visited Central Chile, the Argentine, Brazil, Italy, France and England. Only saw a few Tech men on my travels, Chadwick, '07, in Valparaiso and Roe, '18, in Paris being among them, also Colonel Crawford and Shobinger in Rio.

"I had a delightful vacation and when I returned I must admit that I did not have the slightest desire to return to work. So that from necessity and not choice I found that which yields the wherewithal and so I've been here in Baltimore since July. Before settling down, however, I made several short trips to eastern Pennsylvania, to southern Virginia and West Virginia, and to Boston. I spent two very pleasant, but almost unbearably hot days there. Saw Dipe and do believe he was the only 1917 man I saw.

"I am now employed at the Baltimore Copper Works, one of the plants of the American Smelting & Refining Co. This is the largest copper refinery in the world and in addition to copper also produces gold, silver, platinum, selenium, nickel, and other by-products. My work is intensely interesting and I am quite well satisfied.

"I attended the dinner recently given in honor of Dr. Stratton by the local alumni association and had the pleasure of talking with him for a few minutes. There were about fifty men present among whom several were 1917 men, I believe. McQuaid, a Course XIV man, was at the Smoker which followed.

"He is doing research work at the Edgewood Arsenal for the Chemical Warfare Service. I believe he is trying to poison the torido, or however you spell the name of the animal that attacks timber in salt and brackish water.

"I received a Christmas card from Dick Lyons, who is still out in Oklahoma in the oil game. Also saw Bill Gray who with the Standard at the Bayway plant.

"More news have I none. I am quite settled down again in the States. Am married but have no children.

"I should be only too glad to see any 1917 men coming through Baltimore. They may reach me by calling the copper works during the day. And my name is listed in the telephone directory."

"A generous letter from Captain L. L. Clayton was returned from our last set of notes as overset. It is well, for we have

1917 Continued

other news to add, news from Cambridge's leading paper, *The Tech*:

"Captain L. L. Clayton, Signal Corps, who has for the past two and a half years been a member of the staff of the Military Science Department at the Institute, has recently received orders transferring him to Harvard. He will be one of a group of eight officers sent by the government to take a two-year course in business administration as preparation for executive work in some of the great supply depots controlled by the army. Captain Clayton's transfer takes effect February 1, 1924."

Here is the good Captain's own letter:

"It is seldom that an ill wind blows its victim good, but the train of mishaps that marooned me on Long Island for two days this summer led also to a couple of most pleasant encounters with fellow Seventeeners who are still sticking with the Army."

"I had intended to motor from Camp Vail, N. J., to Boston, carrying another officer with me as far as Fort Totten, making a brief business call and then making New Haven before night. What with getting a late start and getting lost in the wilds of Brooklyn, it was 11.00 p.m. when we made the fort. If you have ever rolled into a strange post after everyone had gone to bed you know what kind of a reception we expected. What we found was Captain L. E. Schoonmacher, VI, acting as combined Fort Commander, Adjutant, 'Officer of the Week' and Post Exchange Officer, and burning the midnight oil as in days of yore over the Exchange accounts. He and Mrs. Schoonmacher were much too cordial to us, considering the manner of our arrival, and insisted upon putting us up for the night. Schoon's government quarters seemed like a palace, indeed, to one who had spent the last five years in cantonments and detached service, and the last two months under canvas. With the Schoonmachers' hospitality we lived the life of Reilly until our departure. We were denied the privilege of meeting little Miss Schoonie because our hours of arrival and departure were unseasonable for a lady of the tender age of eight months."

"Not wishing to return to New York, I set out alone the next day for the Oyster Bay Ferry to Greenwich only to discover that fate in the form of a cigarette had lighted on the boat the day previous and burned it up. On the dock I met a Tech

senior who told me about the Port Jefferson-Bridgeport boat. I lit out for it and, thanks to a couple of detours, missed the daily boat by only thirty seconds."

"Stranded in the wilderness of 'middle island.' The genius who picked the most desolate spot in Long Island for Camp Upton played into my hands that time. I ran on down to Upton to see if I could sponge a meal and lodging. Again Seventeen came to my rescue. Captain C. E. Atkinson, VI, was Adjutant of the troops camped there. He proceeded to make me very much at home with food and a bunk for the night. I found another Tech man there, an Eighteen man, and we gathered together to discuss the good old days and the merits of Bacardi Rum."

"I left Upton and Atkinson's hospitality at 3.00 a.m. to make the New London boat from Greenport. At 4.00 a.m. I crashed through an unlighted detour barrier, but apparently smashed only the chain of peculiar mishaps which had been accompanying me, as the remainder of the trip to Boston was without incident."

We shall give our preferred advertising position, without extra charge, to Tourtellotte-Bradley, Incorporated, of "1326 L. C. Smith Building, Seattle, U. S. A." Their letter is as follows and we would lose the best effect if we omitted so much as a comma:

"Prices and terms are for immediate acceptance subject to change without notice. All agreements are contingent upon strikes, accidents or other delays unavoidable or beyond our control. Stenographical and clerical errors subject to correction."

"Well, what do you think of our new stationery? Looks like we are off in a cloud of dust, eh?"

"We got the idea of using the 'color note' from the fact that the general contractor to whom we are always sending bids on materials, usually gets a lot of bids from houses similar to ours. Every house seems to pick out a letterhead that is not distinctive. Result: when the contractor wishes to find some particular bid he has to read all the letterheads. We have freed him from that trouble. All he has to do is to look for our red cryptogram."

"Don Bradley, Class of 1918 and I officially opened our offices on November, 15 last. Up to that time although Don was in the company still he was a 'silent' member and so we called the firm The Tourtellotte Builders Supply Co. But when he came in actively we changed the name to Tourtellotte-Bradley, Inc., as the above letterhead shows."

"We were very lucky in the accounts we managed to get. We are now the manufacturer's agents in this territory for the following nationally known firms; Berger Mfg. Co.,—metal lath, concrete metal forms, etc.; Henry Weis Mfg. Co.,—"Weissteel" Toilet Compartments; Security Fire Door Co.,—fire doors; Norman Sheet Metal Mfg. Co.,—Spanish Metal Tile; Bonded Floors Co., Inc. (selling agents Congoleum Co.) linoleum, cork tile, rubber tile, etc.; Wickwire-Spencer Co.,—Clinton Welded Fabric; United Metal Products Co.,—hollow metal doors and trimmings; Graham & Norton Co.,—"Reliance" Hangers and "Norton" Interlocking Device. Munson Mfg. Co.,—Floor and Wall Anchors; Chelsea Elevator Co.,—Elevators and Dumbwaiters; and Kalman Steel Co.,—Concrete Reinforcing Accessories."

"This gives Don and me about six accounts apiece to work with, which is just about right."

"We often wonder if in the personnel of the above manufacturers' forces there are not a number of Tech men. Do you know of any?"

"We have so far received the finest of coöperation from our clients, the architects and engineers of the Pacific Northwest. It has been a number of years since a new 'building specialties' house has opened up here and although perhaps the former houses all gave satisfaction, still the trade is always glad to see a new firm in the fight. With the huge volume of business here now in the building game and with every prospect of a bigger volume in the years to come, we are looking forward to big things."

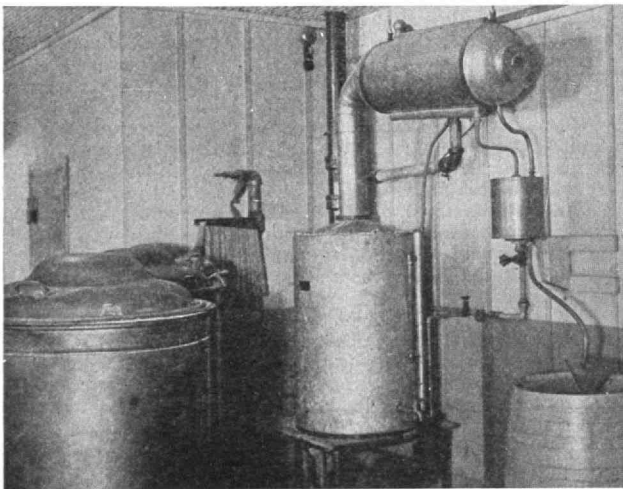
1918

PERCY W. CARR, Secretary, 400 Charles River Road, Cambridge, Mass.

I trust the various and sundry members of the class had a very pleasant Holiday Season. Further than this, your Secretary's most sincere wish is for a whole-hearted response from everyone to the various class and alumni communications which will reach you frequently. Lastly, please keep us informed of your whereabouts, your business ventures and vacations, and as much of your family affairs as you think will bear publication. Look through your unanswered mail now and shoot in your share of class assessment, alumni dues, and the rest."

Bob Van Kirk keeps us supplied with one item per month. He has now returned to his former love, the E. I. du Pont de Nemours Company, and has resumed selling paper colors. This

BARNSTEAD



WATERSTILLS

will produce all the chemically pure water you require quicker, better and at lower cost.

Send for complete catalogue

BARNSTEAD STILL AND STERILIZER CO., Inc.

16 LANESVILLE TERRACE

BOSTON 30, MASS.

1918 Continued

time he is working out of the Chicago office, traveling through Illinois, Michigan, Wisconsin, Minnesota, and Ohio. His address is care of the company, 1114 Tribune Bldg., Chicago, Ill.

We have a letter from Art Windle written on the stationery of the Tide Water Power Company of Wilmington, N. C. He says he and his better-half are departing for Corning, N. Y., in December, where he has accepted the position of Assistant to the Plant Engineer at the Corning Glass Works. Their address for the present will be care of the company there.

En Chao Miao has entered the employ of the Eastern Commercial Corporation. His new address is 62 Kiangse Road, Shanghai, China.

Mr. Zeng-Tse Wong is now located at Nanyang University, Shanghai, China, though the writer does not know in what capacity.—Ed McNally has joined forces with the Allison Engineering Co. His mail should be now addressed to P. O. Box 894, Indianapolis, Ind.—Samuel W. Sweeney has moved to Brook Road, East Milton.

A few belated announcements are at hand, among them the following:

"Mr. and Mrs. Milton Kellam announce the marriage of their daughter, Helen Doris, to Mr. Rudolph Beaver, on Saturday, the second of June, nineteen hundred and twenty-three, at Binghamton, N. Y."

From the *Boston Transcript* for November 27, 1923: "Miss Irene Kattwinkel, Vassar 1921, and daughter of Mr. and Mrs. Max Kattwinkel of Chestnut Street, West Newton, will this evening become the bride of Brainerd Alden Thresher, son of Brainerd B. Thresher of Swartmore, Pa. He is a graduate of the Massachusetts Institute of Technology, Class of 1918. The engagement was made known at Easter time." The account went on in the usual way to describe the bride's costume and the groom's gift to the best man, etc. More power to Bat, together with our heartiest congratulations.

Many volumes were written about the Cabot-Martin obsequies of recent date. One of the accounts, dated November 23, might be abstracted as follows: "... the wedding yesterday of Miss Mary Minot Cabot, daughter of Mr. and Mrs. William Brooks Cabot of Boston and Mr. George Rainsford Martin, son of Mr. and Mrs. Mulford Martin of Rye, N. Y. The two officiating clergymen were the Dean E. S. Rousmaniere of St. Paul's Cathedral and Bishop E. M. Parker of New Hampshire. The bride is a member of the Junior League and the Vincent Club. The groom is a graduate of the Massachusetts Institute of Technology, Class of 1918."

From the *Boston Evening Globe*, for July 24, 1923: "Miss Adelaide MacAchor and Mr. Warren J. Scott were married last evening in St. Paul's church, Cambridge. Following the ceremony, there was a reception at Riverbank Court. Mrs. Scott is the daughter of Mrs. Anne MacAchor of Cambridge, formerly of Eastport, Maine. She has been a teacher at the Chelsea Schools. Mr. Scott is the son of Mrs. John J. Scott of Somerville, formerly of Cambridge. He is a graduate of Harvard College and of Technology, Class of 1918. Following a wedding trip through the Middle West, the couple will be at home at Hartford, Conn., where Mr. Scott was recently appointed Assistant Sanitary Engineer of the State of Connecticut."

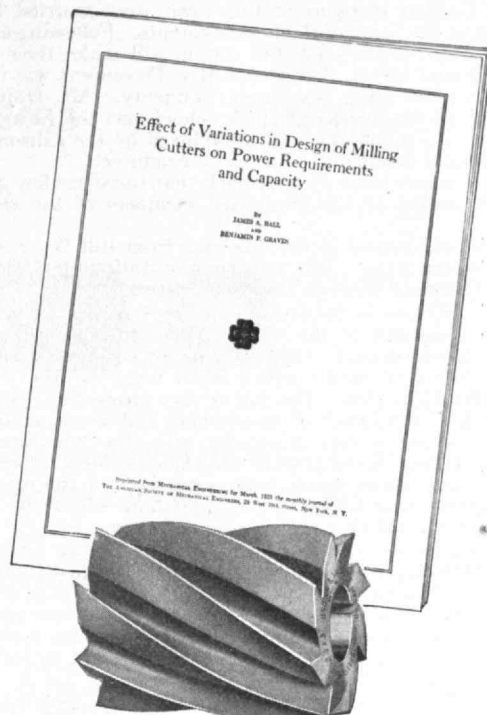
From the *Wakefield (Mass.) Item* for July 2, 1923: "At a very pretty wedding at the Universalist Church, Saturday afternoon at three o'clock, Miss Ruth Willey, daughter of Mrs. George C. Willey of 555 Main Street and Donald Wales MacArdle, son of Mr. and Mrs. Fred W. MacArdle of 27 Sherwood Street, Roslindale, were married by the pastor, Rev. Warren S. Perkins, D.D. The bride graduated from the Wakefield High School in 1913 and from Salem Normal School in 1915. The groom, who is an instructor at Boston University, was graduated from Boston English High School and from Massachusetts Institute of Technology in 1918."

H. R. Polleys, 523 Chapel Street, New Haven, Conn., was elected Secretary of the New Haven County Technology Club on July 1, 1923.

From the *Boston Morning Globe* for June 8, 1923: "Miss Stella M. Sydeman, daughter of Mr. and Mrs. A. Sydeman of Arborway, Jamaica Plain, was married last evening to Alfred P. Grossman, son of Mr. and Mrs. A. Grossman of Holbrook Court, Melrose. Rabbi Samuel Abrams of Temple Ohabei Shalom, Union Park Street, performed the ceremony at the Hotel Somerset. The groom was graduated from M. I. T. in the Class of 1918. The bride was graduated from Laselle Seminary in 1919. After a trip through Northern Canada, Mr. and Mrs. Grossman will reside in Jamaica Plain."

From the *Boston Herald* for October 21, 1923: "Mrs. Celia E. Leland of Brookline announces the engagement of her daughter, Miss Dorris Leland, to Mr. Frederick M. Estes, the son of Mr. and Mrs. Frederick R. Estes, also of Brookline."

From the *Rockland (Mass.) Standard* for August 30, 1923: "Miss Marie Alden Davenport, daughter of Mr. and Mrs. Her-



Send for this authoritative report on Coarse-Tooth Cutters

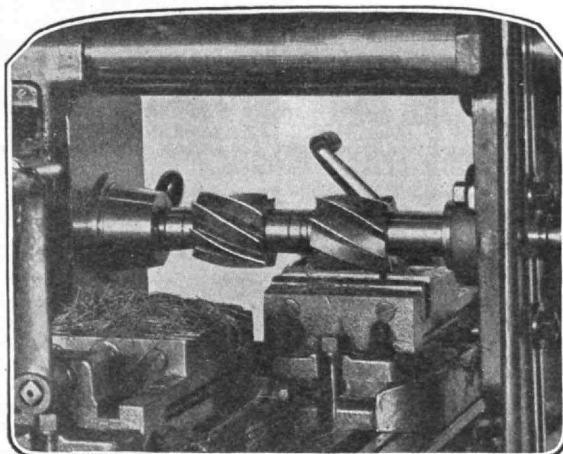
TO get further light on the value of Coarse-Tooth Milling Cutters, a series of experiments were recently made at the BROWN & SHARPE plant, the results of which are contained in this report.

Charts and diagrams clearly show where and when it is valuable to use Coarse-Tooth Milling Cutters.

Eliminate guesswork in choosing the right cutter for the job at hand. Write today for a copy of this authoritative report on cutters.

BROWN & SHARPE MFG. CO.

Providence, R. I., U. S. A.



1918 Continued

man A. Davenport of Brockton, and Frank Herbert Hopkins, son of Nathan Hopkins of this town, were married Saturday evening, at the home of the bride's parents. Following a wedding trip to Moosehead Lake, the couple will make their home at 130 Highland Street, Brockton. Miss Davenport was employed by the United Shoe Machinery Company. Mr. Hopkins is a graduate of the Rockland High School and the Massachusetts Institute of Technology and is employed by the Edison Electric Illuminating Company as a Civil Engineer."

All of which leads us to remark that there are few good men left. A census of the unmarried members of the class is in order.

Ken Reid turned in the following from Bill Wyer, extracted from a recent letter. Bill writes on the stationery of The Denver and Rio Grande Western Railroad System.

"My job here is Statistician to the Receiver. A good many engineers descend to the ranks of statisticians, but not many have to be called that. However, having survived a receivership and a change of bosses which felled many by the wayside, I really shouldn't kick. The job is very interesting. Principally we watch all the details of maintenance and transportation costs, and get ourselves very unpopular with the Operating Department by telling the boss when they have too much force. Then we have such other minor jobs as putting out the maintenance and improvement budgets, and explaining where the cash has gone that we said that we were going to have.

"Domestically, we are also thriving, having added James Ingersoll Wyer, II, to the population of Denver last June (500,000 in 1930). Based on present indications his probable occupation will be that of a prize-fighter, which will be very nice, as he won't require a costly technical education, and can make enough money to keep us in our old age. I am proud to state that I can still lick him, however.

"Monk Peirce is the only one of the old bunch I have seen lately. I have been to New York several times in the last year and usually spend a good deal of time with him. You doubtless know that he has two of the finest kids in the world.

"Almost forgot to mention my athletic prowess. I managed to get elected Secretary of the local tennis association last year, and by using my official pull was able to rank (with my partner of course) as No. 5 doubles team in the Rocky Mountain Region. I am too fat to play singles (my, how you must have changed

Bill), so didn't have the nerve to put in a singles ranking for myself. However, I played in the Intermountain Tournament at Salt Lake and managed to defeat the Utah Intercollegiate Champion before he discovered that fact. My next opponent saw me puffing and won an easy victory.

"P. S. We are getting one of the best looking stenographers in the Intermountain Region next Monday. Be sure and drop in when you are out this way."

Ernest Reuben Bridgewater, X, who is helping Mr. Firestone to make tires and money, paid a recent visit to Boston and when interviewed by our special correspondent stated that he had added to his stock of goods and chattels another baby girl. This brings his score up to two.

It was proposed at a recent meeting to start a regular monthly 1918 luncheon, probably at the Engineers' Club and those members of 1918 who live near Boston will be informed shortly of the time and place finally decided upon. The class needs waking up, a thing which may be difficult of accomplishment but which can be started by frequent meetings if enough men will turn out. Hence the Pyramids.

1919

PAUL D. SHEELINE, *Acting Secretary*, 19 Congress St., Boston, Mass.

The Secretary had word a few days ago from Gene Smoley, who is now upon the road to recovery from his accident. Gene sends his best thanks and greetings to the class, and says that he hopes to be able to write soon.

The Secretary has no other news for this issue.

1921

R. A. ST. LAURENT, *Secretary*,
c/o R. E. Wilson, Research Laboratory, Standard Oil Co.,
Whiting, Ind.

CAROLE A. CLARKE, *Assistant Secretary*, 528 Riverside Drive,
New York, N. Y.

Stuart E. Bradford, I, Thompson Starrett Co., Foot of Jersey Street, Buffalo, New York, writes: "We are engaged in the construction of a filtration plant for the City of Buffalo, about a \$2,000,000 project. I am in charge of keeping track of costs, figuring units for all classes of production, etc. It is rather interesting work as it gives first-hand information as to the why and wherefore of making or losing money in the contracting business. Buffalo is near enough to Canada to have plenty of 'local color.' Also large quantities of cold weather. Have seen few Tech men in Buffalo and would like to get in touch with any '21 men that may be here. Moynihan, '22, I, is an engineer for the city on the same project and doesn't mean for any reinforcing steel to get by him. Would like to put in a word to have our much-discussed reunion in the vicinity of Boston."

Robert Strong Cook, I, The Spurling Bldg., c/o The District Engineer, Elgin, Illinois, is resident engineer on concrete road construction for the State of Illinois, and writes: "I am now at Gray's Lake with a six-mile section of road that will keep me busy most of next year. It will be a great place next summer, but when those northwest winds start, I lose my ambition for Arctic exploration. Next year Illinois votes on a one hundred million bond issue that will keep improved road construction going for some time if passed. In the meantime, the sub-dividers are active, staking out lots as fast as the contractors knock out our stakes."

Francis J. Callanan, II, Keeseville, New York, is active with the firm of Callanan Brothers of Keeseville, New York, doing general contracting and lumbering operations.

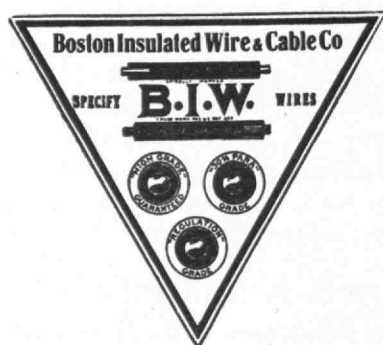
S. F. Chalfin, II, Farratine Manufacturing Co., Inc., was first a stock and bond hustler for Kidder, Peabody & Company of Boston. He is now responsible for the above-named company, which is producing a cream soap.

Roy B. Chase, X, 23 Pond Street, Newburyport, Mass., spent some time as a mechanic and new car adjuster for Walton & Stevens in Newburyport. He is now an Inspector for the Registry of Motor Vehicles, Massachusetts Department of Public Works.

All Robert S. Cook, I, had to write in addition to sending a check was that his address was 167 Orchard Street, Elgin, Illinois.

Donald S. Cheney, I, 8 Bagley Avenue, Lowell, Mass., after a year with the Aberthaw Construction Company, is back with the firm of Smith & Brooks, civil engineers in Lowell.

From the wife of Lt. John Paul Dean, I, your Secretary received a letter saying that the lieutenant was in the jungle surveying and taking part in the maneuvers of the Canal Zone.



Rubber Insulated Wires—

Including Wires for Buildings, Railway Signal Wires, Telephone Wires, High Voltage Wires, Car Wires.

Special Cables and Cords—

Deck Cable, Stage Cables, Lamp Cords, Elevator Lighting Control and Annunciator Cables.
Automobile, Ignition, Starting and Lighting Cables.

BOSTON INSULATED WIRE AND CABLE CO.

Dorchester District

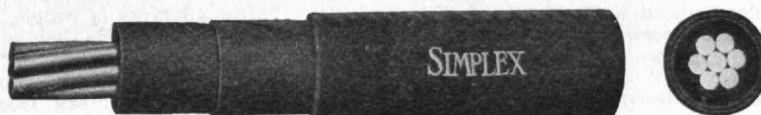
BOSTON, MASSACHUSETTS

Canadian Factory, Hamilton, Ontario

• SIMCORE •

Ask for
Specification No. 2053
for your files

• SIMCORE •



Simcore wires and cables are subjected to voltage tests ranging, according to size, from 33⅓ to 100% in excess of underwriters' requirements; they have a smooth finish, are easy to pull in and can be delivered quickly. Simcore is safe and gives satisfaction.

SIMPLEX WIRE & CABLE CO

MANUFACTURERS

201 DEVONSHIRE ST., BOSTON 9

CHICAGO SAN FRANCISCO NEW YORK

1921 Continued

Max C. Goldberg, VI, 27 Crapo Street, New Bedford, Mass., is a musician and teacher at the Berkeley Institute of Music in New Bedford.

John McCloskey, II, 14 Ashmont Street, Dorchester, is a steam engineer for the Commonwealth of Massachusetts.

X. H. Price, I, 1716 N. Street, N. W., Washington, D. C., is a Major in the Corps of Engineers U. S. Army on a War Department board which has been preparing a project and estimates for marking the American battlefields in Europe.

Foster M. Post, XV, Columbus, Mont., was first an engineer with Ernster & Barker, Columbus, Mont., but now is Chief Engineer and Secretary of the General Service & Engineering Corp., Columbus, Mont.

Richard J. Spitz, X, 200 W. 93rd Street, New York City, is in the insurance business for himself at 100 Maiden Lane, New York City.

Alex Wishnew, X, Y. M. C. A., Wheeling, West Virginia, when last heard from, was in charge of the technical problems of the Wheeling Tile Co., in the above city.

Clyde L. Chatham, VI-A, Public Service Electric Co., Newark, N. J., on November 10, was married to Miss Mary E. Reed in Clearfield, Pennsylvania. Clyde has dug post holes, planted poles, climbed like a monkey and tunneled like a woodchuck in his various activities with the above company.

Gerald Tattersfield, X, and X-A, and Miss Doris E. Nelson are engaged. More particulars are desired, Jerry.

Lyman P. Whitten, X, Kelley Field, Texas, was in the 42nd Squadron — Armament Communications, Engineering & Operations Office — busy with about twenty De Havillands flying all over the country. Where are you now, Stubby?

Richard McKay, XV, just passed through Boston on November 23 to ship soon for the Philippines to represent Dodge & Seymour, Ltd., in Manila.

K. R. Sutherland, II, is an associate of The Beckwith Press, 316 Union Street, Lynn, Mass.

Samuel E. Lunden, IV, 264 Aspinwall Avenue, Brookline, and Miss Leila B. Allen of Melrose Highlands, announced their engagement some months ago.

John L. Hurley, XV, Jamaica Plain, Mass., was married the early part of last October to Miss Monica O'Keefe, of Jamaica Plain. He is now in the heating and ventilating business in Boston with his father.

Philip W. Clark, XIII, of Melrose Highlands, also last October, was married to Miss Dorothy E. Clapp of Somerville. Phil and Mrs. Clark have returned to live in Allentown, Pa.

There are also three other marriages to record:

Raymond L. Presbrey, III, of Taunton, to Miss Josephine Cheney, of Dorchester—Paul A. Morgan, X, of Lawrence, to Miss Ora Beatrice Coakley, also of Lawrence—and Raymond A. Snow, II, of Needham, to Miss Mary Josephine Le Sage, of Huntington, W. Va.

William Wald, I, 47 Wildwood Street, Mattapan, has returned to the 'Stute for graduate work and to grab off an M. S.—Joe Jurie, X, is in the Research Laboratory of Applied Chemistry at M. I. T.—George Thomson, X, and Oscar K. Bates, VIII, are in the Heat Measurements Lab, assisting and instructing.

T. W. Spitz, I, is with the Massachusetts Highway Commission at the State House, and Red Bachmann, X, is still in the sticks of Brunswick, Maine, with the Pejepscot Paper Company. Sol Silverstein, X, and X-A, is in New York working for the Guggenheim interests on electro-chemical process development work.

William H. Rose, Jr., XV, 51 Chapman Place, Irvington, New Jersey, is Assistant Superintendent of the Egyptian Lacquer Works at their plant near Newark.

All that Winter Dean, XV, Nicols, Dean & Gregg, St. Paul, Minn., scrawls is that he is doing sales engineering work for the above company.

Herbert C. DeStaebler, XV, 119 North 7th Street, St. Louis, Missouri, writes that he is a technical expert and engineer, and any time a lawyer needs an engineer he tries to hook the job. He also says that J. T. Rule, XV, is with the Scullin Steel Co., in St. Louis, doing very well; and Lyall Stuart, IX, is Sales Manager of the St. Louis Structural Steel Company, which, by the way, is a very good job and not a mere title.

R. A. St. Laurent, X, on the first of the year, left Arthur D. Little, Inc., in Cambridge, to join the Standard Oil Company of Whiting, Indiana, there to spend six months or so in the plant, subsequent to which he will probably be engaged in technical sales work. His engagement to Miss Helen E. Macenzie is simultaneously announced.

Robert B. Donworth, XV, Dwight P. Robinson & Co., 125 East 46th Street, New York City, writes: "I am in the

1921 Continued

power engineering department of the above company, and doing everything from figuring heat balances on bleeder turbines to inspecting condenser tubes. Have been married a year."

Ralph Martin Shaw, Jr., VI-A, San Joaquin Light & Power Co., Fresno, California, writes: "After the faculty made a bonehead and gave me a degree in 1922; (No, I did not flunk but only took grad work), I decided to view some of the sights of interest in the U. S. A. Took a trip through Yellowstone and Yosemite and then went to work for the Utah Power & Light Co., at Grace, Idaho. Was swinging a wicked crowbar on the General Electric construction gang, although officially I was an operator. Also mixed cement, dug spuds, washed the windows and was generally useful about the plant which was located on the Bear River, in the middle of the desert and seventy-five miles from the nearest town. Grace consisted of a main street on which there was a dance hall, the post office, and a general store. After working six weeks, I got a chance to come to Fresno as inspector at somewhat better pay. This entailed a white collar, a Ford run by the company and a pretty stenog to write my reports. Needless to say, I stayed as long as I could, about a year. About three months ago, I was promoted to job of instrument man on the Kings River Power project of this company, a one-quarter million H. P. project. I considered myself particularly applicable inasmuch as I had taken Course 10-A at Tech and knew that a transit was made of brass and stood on three legs. I permitted my rodman, as a special privilege, to operate the transit while I stood by and supervised and thereby learned how to run it myself without anybody knowing how green I was. On December one, construction was closed for the winter and so I have been doing odd jobs for the company chiefly as inspector. On January one, I expect to become one of the sales engineers. So much for my history."

"Raymond Fisher, of the telephone company, is located in San Francisco, the city of perpetual fog. Ray is 1921 also of VI-A, and we see a bit of each other. For vacation we took an eight-day trip through Northern California by auto. We visited Yosemite Park, Lake Tahoe and Lassen Park. We also swam in every lake that we passed, about forty-five lakes. We did miss two, Mono Lake which is alkali and Geyser Lake which is boiling. We crossed Tioga Pass, 10,000 feet high, by auto and climbed Mt. Conness, 12,500 feet high on foot. The latter entailed the scaling of a cliff nearly as high as the Washington Monument, but we enjoyed it."

HOUSING COMPANY ENGINEERS

Specialists in
RESIDENTIAL CONSTRUCTION

Developers of
GUNSTONE
The Modern Way to Build

Contractors for Concrete Forms, Cement
Gun Work, Rock Drilling and
Masonry Removal.

"Ed Chilcott and Ted Rose, both 1921, VI-A, are in Los Angeles, the city of movies and blue laws. There is a law there which forbids street car conductors from shooting jack rabbits from the rear platforms of their cars, which may or may not be descriptive. Last time I saw Ted he was examining the entrails of an ancient auto which he claimed was the finest car on earth."

"That constitutes the dope I have on the gang here."
In answer to the question of, "What time is it?", Ralph says: "Midnight of a glorious day with the sun shining brightly and the stars scintillating in the heavens."

Edward Epstein, X, 274 Lexington Avenue, Buffalo, New York, is with the Dupont Fibersilk Co. He was transferred from the laboratory to be a foreman in the mill. "Some job," he says. "Meet all types of people." He has learned to swear, i. e., he knows more words than he did while at the 'Stute.

He hears from Don Gross, X, every so often; met M. W. Hamburger, X, in the Coffee Shoppe last week (he had just got in from Beantown); saw Huggins, X, about a year ago but has lost track of him since.

As to "local color," Eppie says: "It is all coming up from down South. Lots of color in Buffalo now. On the sly, Saint, Buffalo is quite wet."

A. Cameron Hayden, II, c/o J. W. Ferguson Co., Palisade Park, New Jersey, is a construction engineer with the above company. He says he has not seen a '21-er in eight months, nor a Review since last May.

Thomas J. Homer, Jr., I, c/o Parker-Young Co., Lincoln, N. H., writes: "The P. Y. Co. is a fairly large one dealing in wood products as paper and lumber. They have several operations some of which are a paper mill (Sulfite and ground wood) at Lincoln, N. H. The Company owns the town, including a good hotel, 70,000 acres timberland and fifteen miles of railroad; a sawmill (August in N. E.) at Beebe River, N. H., with twenty-three miles of railroad into timberlands; lumber at Hoquiam, Wash., and lumber at Port St. Joe, Fla."

I have been at Lincoln with this concern since June, 1923, and have had a wide variety of problems from plant design and construction to hydro developments. We have a large prospective hydro-power development. At present, I am designing a high head penstock in connection with this."

Speaking of local color Homer says: "None, or rather just snow, rocky mountain peak greys and spruce greens."

"I'm the only '21 fellow to arrive up in this neck of the woods yet. Lots of college men come into this town but they all hot-foot out in the morning."

"My room-mate, Bill Harding, '23, is chemist here. Bob Stanley, our insurance man, is an old Course I man. We three are the only M. I. T. representatives here."

"Charley Longfellow, VI-A, is with the American Telephone & Telegraph Co., 195 Broadway."

Watts S. Humphrey, III, is a mining engineer with Hanna Ore Mining Co. at Hibbing, Minn. He says that the local color is a pale hemitite red.

He also writes: "Have no gold teeth, slightly bald in back, eat yeast, and have a bank balance in four figures — one regular one, one dot and two goose eggs. For further information see Hibbing police journal. Returned from Ecuador last April, and have enjoyed the life of Hibbing ever since my return. Great little town, but devoid of other '21-ers. Also expect to be here some months more — future address unknown."

From Jack Kendall, XV, is desired the "Info Sheet." The "Touching Sheet" came through O.K., 100%. What about you, Jack?

John G. Lee, II, is with the Curtiss Aeroplane & Motor Company, at Hempstead, L. I., N. Y.

H. H. Lockett, XV, is with the B. D. Rising Paper Co., Housatonic, Mass.

Samuel E. Lunden, IV, is with Cram & Ferguson, Architects, 248 Boylston Street, Boston.

D. B. McGuire, VI, Unadilla Valley Railway Co., New Berlin, New York, is chief engineer. He writes: "It's a short haul line but does a lot of business. Have charge of all outside operations from roadbed maintenance to rolling stock and now and then hiring and firing somebody, just to keep things interesting. Plenty to do all the time especially when we have a wreck. They don't happen often but when they do—?? \$\$\$\$."

"Ken Coachman dropped down to visit me for a day. He is with Pratt & Whitney and located in Rochester. He tells me he expects to join the ranks of us Benedicts in the spring. Wish him luck."

"It's nearly nine o'clock so better turn in. Gets late early out here in the country, you know."

Edward P. Molloy, II, is a broker in stocks and bonds at 214 Postal Telegraph Building, Chicago, Ill.

Stuart Nixon's answer on "info sheet" to "(1) Name" was "Stuart Nixon on visiting cards, 'mud' everywhere else"; to "(2) Course"—"A little ragged at present." He writes:

1921 Continued

"Met a few '21-ers at the Tech Club of Detroit banquet to Dennie and they appeared to be prospering, which is more than I'm doing. A '23 man gave me an earful of dope on '21 men, more than I have been able to get from the class notes. However, since it is all second-hand, I can't pass it on, but I hope that no more '21-ers are going into the selling of road machinery.

Phillip Payson, II, who has been with the N. L. C. Engineering & Equipment Co. (agents for Ames Iron Works) in the capacity of a sales engineer for the past two years, selling and installing steam engines and boilers, and located at 101 Tremont Street, has accepted a position with the S. K. F. Industries, 165 Broadway, New York City. After spending several weeks in this company's plant in Hartford, Philadelphia and New York, he will return to their Boston office in the Little Building. This concern makes ball bearings of all types and for all kinds of machines, and Phil hopes he will be able to find more machines to put them in than the company can make bearings for. Nothing like having things turn easily.

1922

ERIC F. HODGINS, *General Secretary*, Room 3-205, M. I. T.

Course II

J. E. SALLAWAY, *Secretary*, 125 Cushing Ave., Dorchester, Mass.

Marital and near marital events continue to prosper. George B. Bailey married Miss Ethel I. Beutell of Attleboro, Mass., on November 29. Congratulations and best wishes, Bill!

Tommy Tyne was down Connecticut way recently and I came across one of his cards that told the class that he is with the Hoover Condenser Company, New York. That is all we can say about him at present writing.

George Dyer is back in Boston. He has shifted from power plant to construction work. Some engineering company has good material for a chief engineer.

Mac McCurdy and John Molinar, both have new honorary members for the lists of '22. Miss Carpenter informs me that they boast of recent additions to their respective families. More congratulations.

Let me append the customary exhortation to write and let the gang know where you are and what you are doing. Never mind stating the salary you are getting.

Course VI

FEARING PRATT, *Secretary*, 120 Main St., Hingham, Mass.

"The First Woman Radio Engineer" is the title of a lengthy article in a recent issue of the Springfield (Mass.) *Republican*. With Technology as a clue, and a good photograph showing a striking likeness of one of our course-mates, the plot sounds interesting. But the name doesn't sound familiar. However, further reading confirms our suspicion that the story concerns none other than Martha Eisemann, and like all well-behaved stories, everything is satisfactorily explained at the end. Martha's activities may be learned from the following brief extracts:

"Two days after graduation, the newly fledged radio engineer became Mrs. Edward Munzer; and for a time it seemed that the new job of household engineering would be all that she could handle. But soon she found that she had plenty of time for outside work, and began casting about for something to do in the radio field.

"Just at this time, the papers were full of the remarkable 'subway stunt' performed by John C. Davidson, a pioneer radio engineer, who by means of a radio designed by himself, was able to receive a concert while traveling under the East River in a steel subway car. It was Mrs. Munzer's good fortune to meet Mr. Davidson and to receive a position in his factory in Brooklyn, where she assisted him in research and experimental work along new lines of radio.

"Together they have worked out the perfecting of several of Mr. Davidson's new inventions, among them being a new kind of crystal detector that is really fixed. By means of the various improvements that they have made, they are able, without the aid of outside wires, to receive concerts in a steel bank vault as high as the seventeenth floor of a building."

A corner meeting with Phil Alden disclosed the fact that he is still with Stone & Webster and for the present is on a construction job in Kentucky. The particular point is known by a long name which I can not remember. He promised, though, to submit details later.

Turk Terkelson writes a corking letter from 12 Bradford Road, Newton Highlands, Mass. Ed is Treasurer of the Terkelson Machine Company, Boston. His election came as the result of his successful operation of the factory while his father was in England for two months last summer. Best of luck to you, Ed! He hints that his name may appear in the formal portion of a report in the near future. Turk adds the scandal

INDUSTRIAL BUILDINGS SHOULD BE WELL
LIGHTED.

From the employer's viewpoint, the big difference between men who work out of doors and those who perform tasks inside the building, is the factor of light. Daylight furnishes sufficient illumination outside during the daytime working hours for men to pursue their tasks efficiently and safely. But the proposition of getting enough daylight into the interior of industrial buildings, requires some thought.

It is not a difficult problem by any means, and any employer can take advantage of daylight and utilize it for lighting his building during the daytime, if he desires. It is an excellent light, especially suitable for the eyes, reducing eye strain and eye weariness to a minimum, and has the great economic advantage of costing nothing.

To utilize daylight to the utmost, we must first provide means for allowing daylight rays to enter the interior of buildings in sufficient quantity—namely, proper and adequate windows and skylights. Many excellent instances of buildings designed with a due regard to the importance of daylight lighting can now be seen in many of our industrial cities. Such buildings present the appearance of being practically all windows—"window walled," as they are termed—and this type of daylight construction is coming rapidly into favor, because it constitutes a more healthy building for large numbers of employees, both from the lighting and ventilation standpoints.

Among those who have constructed this type of modern industrial building may be mentioned: The Shredded Wheat Co., Gillette Safety Razor Co., Lyon & Healy Piano Co., H. J. Heinz Co., Corona Typewriter Co., Skinners Macaroni Co., Grape Juice Co., Dodge Bros., Nelson Valve Co., Piston Ring Co., Remington Arms Co., and a great many others.

The Larkin Co., Philadelphia, has erected a building almost entirely glass, 85% being windows, and the Loomis Breaker, operated by the D. L. & W. R. R. Co., Nanticoke, Pa., is literally a glass house, being 93.5% of glass. The new buildings of the Winchester Repeating Arms Co. have an average glass area of 58%.

An investigation covering 18 buildings constructed by the Aberthaw Const. Co., Boston, shows that the average window area is 57.5%.

These figures indicate how important the subject of lighting is now considered by employers of industrial labor, and how well the idea has been carried out by the architects and engineers, in order that all parts of a building may receive sufficient daylight. But, in addition to providing ample window space, there is another factor which is equally important, and that is, equipping the windows with the proper glass.

The bright direct rays of the sun should not be permitted to strike the eye, and we must provide a means for reducing the glare to rays which will not be too bright. This is accomplished by glass especially manufactured for industrial windows, known as Factrolite. This glass possesses the property of breaking up the intense rays of the sun and diffusing the light into the interior of the building in proper portions, solving the problem of sun glare.

If you are interested in the distribution of light through Factrolite, we will send you a copy of Laboratory Report—"Factrolited."

MISSISSIPPI WIRE GLASS CO.,

220 Fifth Avenue,

St. Louis.

New York.

Chicago.

1922 Continued

that R. V. Wood is married and that Benny Cooper is with the Mead-Morrison Co. in East Boston.

Web Maschal has the prize job of the season. He is with the Standard Oil Co. of New York, but not in New York. He is in the wilds of India and his letter contains a passionate plea for mail, even if no more than a post card. Address all mail to Standard Oil Co. of New York, Monghyr, E. I. R., India. I do not know how much it will cost to get a letter to him, but it took three Indian "Annas" to get his here. When I say he has the prize job, I mean position. Listen to this:

"Now with Monghyr as a headquarters, I have an office and clerk there and four inspectors and last but not least, a bungalow on the banks of the Ganges with four house servants. The territory under Monghyr has about thirty-three agencies and is so stretched out that I have not been all around it yet. In Monghyr there is a fine club to play around in the evenings. I am on the road traveling about three quarters of the time. Get first-class fare and expenses plus fare for my personal servant." No wonder the price of oil is high! Web goes on to tell how hot it is in India, but I won't quote that part of his letter. Don't forget that mail is delivered in India weekly.

E. L. Mink writes a letter something about everybody that was not in Course II. However, the gensec sends his sincere thanks. Eldor is still with the Bell Co. of Pa., and was in Boston last summer for a "vacation." He says that the longer he stays in Philly the better he likes Boston.

Easty Smith is putting in time with the W. L. Gilbert Clock Co. in Winsted, Conn. Smithy is keeping company with Ham Williams in the planning department. Address all telegrams to the Winsted Y. M. C. A., Conn.

The above notes cover the dope that has been sifted in, sealed form. The below notes cover a multitude of truths.

I've had dinner with Van Van Gieson twice recently in Hartford. Van is selling for the Crane Company and we have much in common. The conversation includes much mutual sympathy. Hartford seems to be a Mecca for Tech men. Danny Coogan, of Course VI, and Van recently entertained Sully of the Dorms and Jack Hoffman. Anyone near Hartford who fails to look up Danny or Van is missing something. Ham Hammond and Andy Anderson are located in Hartford also. Walter Kirley has just been transferred to the Boston Division of the Underwriters Laboratories. I said "Hello" to Bill Hyland on my way through Worcester, and he is sitting on the top of the

world. Address: New England Power Co. While visiting in New London recently, I noticed four Techniques on the parlor table and on inspection they revealed the signature "Charles T. McGrady, M. I. T., '22." But Charlie is married now. Fry Spier has just joined the A. S. M. E. Colby Boyden represented the John Crane Metallic Packing Co. at the Boston Textile Show.

Courses VIII and IX

T. H. GILL, *Secretary*, 520 East State St., Trenton, N. J.

The Eights and Niners surely did come through, as usual, with a potent crop of news. It appears that engagements and marriages are taking on the appearance of an epidemic with the result that it will be necessary to withhold a goodly portion of the news until the next issue so that the noble gensec will not find it essential to curtail the contribution for lack of space.

Of course everybody is glad to hear from Don Carpenter, who reports from the Pyralin Department of the du Ponts at Arlington, N. J. Don writes that he has been a sun-dodger for the past ten months with the exception of two months. No, it wasn't a honeymoon, but a leave of absence for the express purpose of seeing Europe with Professor Spofford and Ray Rundlett. It appears that Don did the job 100% perfect as usual.

Paris was the first stop and after doing the city most royally and meeting "everyone from Charlie Rudderham to Cliff Gayley and Professor Luther to one of our fair coeds (four years back!)" the party journeyed to Switzerland, visiting Geneva, Lausanne, Zermatt, Brig, Spiez, Interlaken and Lucerne. The Handley-Page air passage was taken on the return trip from Paris to London where the party spent a fortnight seeing the old town.

Bob Warren reports from Beulah, Mich., where he is "using his knowledge of analytical geometry and applied mechanics" in managing the Hill-Top Orchards, which are famous for their apples and cherries.

Louis J. Calder is another one of those that visited Europe during the past summer. However, his advice is "see America first." Louis is attending the Brooklyn Polytechnic Institute where he will affix the "M. E." next June.

I have been working through the Fenton plant of the Certain-teed Products Corporation for the past two months preparing for a sales executive position. Just at present a 6.00 p.m. to 6.00 a.m. session is my lot which, I assure you all, is quite in contrast with the usual office bonus which I found with Vivaudou, the perfumer, while in New York.

Course XIV

WALLACE L. HOWE, *Secretary*, 48 Pearl St., Watertown, Mass.

After being unduly awakened from a blissful summer slumber by a note from our illustrious gensec, we find that our respite from Review notes has terminated.

The old trick of passing the buck was a fair success: the old faithful boys came through with their bit, and the other illustrious XIV-ers we know have good intentions but a poor conscience.

A note from our old pal Fletch informs us that he is now an instructor in Introductory Chemistry at the University of Vermont. From the lofty heights of an S. M. in Chemical Engineering, he ponders over the apparent stupidity of the Freshmen. No, Fletch, we were never that bad; we were worse.

Then Cerium Ed Gruppe was good enough to assist us with a bit of news. Ed has transferred from the Rochester Gas & Electric Corporation to the Lambe Electric Construction Company, also in Rochester, N. Y., and as electrical engineer his prospects look very promising. His work as Chairman of the Publicity Committee of the Rochester Engineering Society is quite arduous. As a result, he has little time to think of heterogeneous equilibrium equations of the phase rule. During the summer he was engaged in a bit of consulting work for the Tennessee Eastman Corporation, in Kingsport, Tenn. En route a stop at Washington was made in order to make a call on our pal, Vernon Whitman, who, however, had not returned from the 'Stute. There are several '22 men in Rochester at Kodak Park: Clyde Brackett, Hugh Shirey, Ed Miller, Ken Cunningham, Dwight Vandevate, Frank Flaherty, and Dave Harris.

Ding informs us that Bob Stuart dropped in on the 'Stute about the first of November. The boy is apparently in good health, having a considerable added avoirdupois. Bob is still the mainstay and backbone of Stone & Webster. In fact, they have sent him to rehabilitate the Blackstone Light & Power Company at Pawtucket, R. I.

Whitman didn't return to the 'Stute this fall. He is now assistant physicist at the Bureau of Standards, where he is developing an electrostatic wattmeter. Whit expects to return next year to finish his work for his Sc.D. His side-kick, A. L. M. Dingee, is an Austin Fellow in quest of his Sc.D. in Electro-

PRINTING

An industry requiring an appreciation of the fine arts.

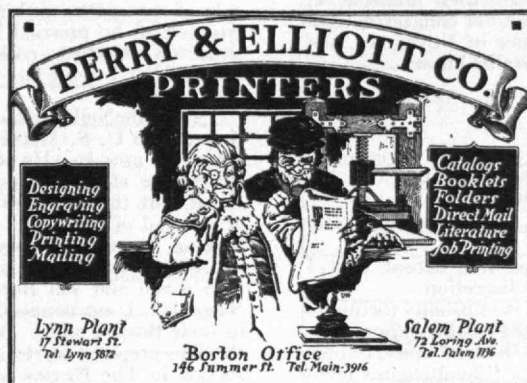
An industry requiring expert technical knowledge and mechanical ability.

An industry requiring an understanding of the sales problems of all industries.

When you buy printing, buy it where all the requirements of the industry are fulfilled.

**The Murray
Printing Company**

*At Kendall Square
Cambridge*



Printers to The Technology Review

1922 Continued

chem. On the side he is an instructor in Freshman Physics using "Lay On" McDuff's book.

Old Effervescent Windy Powell is still among those seeking higher degrees. He has deserted the intricacies of the isothermal and reversible equilibrium boxes and is seeking his S. M. from the Electrical Engineering Department. Fighting Kid Hollander is still going to Harvard, according to Ding, who has met him several times.

About the first of last June, Ferris Briggs transferred from the Anaconda Company in Perth Amboy, N. J., to the National Carbon Company in Fremont, Ohio. Apparently, Ferris is well satisfied with the attractive proposition and we are waiting to hear further news from him.

The University of Maine can boast of only one such R. Eugene Downing, who is instructing youthful minds how not to use ohm's law, etc. Incidentally, he is working for a Master's Degree in Physics and has reverted to his first love, Electrochem, in working out a thesis on the aluminum rectifier. Gene spent last summer at the University of Michigan studying Vector Analysis and other graduate subjects. En route he made several stops, the most important being Montreal and Niagara, where he secured several samples of Canadian beer for analytical purposes. What? Gene is truly a gentleman, a scholar, and a judge of good beer.

1923

ROBERT E. HENDRIE, *Secretary*, 47 Fairmont St.,
Cambridge, Mass.

H. L. BOND, *Assistant Secretary*, Room 1-181, M. I. T.,
Cambridge, Mass.

Several of the engineering field's latest acquisitions have responded to the urgent calls of their respective Course Secretaries since the last Review. Here is what they have to say.

Course I

J. M. ROBBINS, *Secretary*, 42 Oak St., Belmont, Mass.

We sincerely hope that each member of the course has included among his numerous New Year resolutions one to the effect that he will write at once, and periodically thereafter, to his Course Secretary. The "stack of letters" which has been accumulating on your Secretary's desk since the last notes went to press is not impressive. On top is one from Leo Poor. We pick it up and discover that it not only lies on the top of the

stack, but on the bottom as well. And Bob Hendrie just called up to ask for notes. Verily the life of a Course Secretary is hard.

We are most grateful to Leo. He writes from Harrisburg, Pa., where he is with the Pennsylvania Railroad, as follows: "Business seems to be a little bit slack east this morning, so I will take this opportunity of giving account of myself for the benefit of any of the former structures computers who may be interested. At present, I am learning the duties of a yard clerk, involving classification and the dispatching of trains, answering telephones and a dozen and one other similar tasks, the pleasantest of which is making out the daily time card.

"Undergoing a regular apprenticeship course as I am, the work does not remain the same long enough to be tiresome. I am supposed to spend six months as a clerk, four months of which are now up. Then I get three months of owl work. God knows what I shall be doing then. I started in on E. B. classification. Six weeks of that and then six weeks of E. B. dispatching. Now I am spending my six weeks on W. B. classification, which has to do with handling of empty cars under car service rules. Suggest to Professors Rice and Dresel that they start a course in same. It is a subject that well might be understood by all men who in any way expect to work with cars, whether they be shippers or carriers."

We at the Institute were agreeably surprised not long ago by a visit from two of our classmates, namely, George Thomas Gilman and Alec Stewart. Neck was on his way from San Francisco to Washington, where he has been ordered by the Coast Survey, and had made a slight detour to eat his Thanksgiving turkey in New England. Alec has given up his job in Northampton and seemed to think he would leave shortly for Chicago. He had lines on a couple of jobs in the Windy City, one with the Pennsylvania Railroad and another with an insurance company. We have heard nothing definite since. Both of these gentlemen have gone in for hirsute adornments, Neck having raised a pair of snappy red sideburns while Alec has made a misguided attempt to beautify his upper lip. The shock of seeing both of these signs of budding manhood in one day was almost too much for Rice and Dresel. Forewarned by them, I was just able to bear up under the strain.

We saw Bill Wang on the car a few days ago. He appears to be enjoying himself with Stone & Webster. We also learned from him that Arne Lier has left the Phoenix Bridge Co. Bill

1923 Continued

thought that he was in Richmond, Va., but wasn't sure.—Ed Averell has been at a number of the meetings of the Boston Society and reports that he is working for a Mr. Worthington, an engineer in Dedham.

So many requests have come in concerning Bob Hendrie's marriage that it seems that the circumstances of that happy event are not so well known as we supposed. For the benefit of those who were not aware of the news, we publish the following. While the rest of the class were helping to inaugurate President Stratton, on June 11, 1923, Bob was being inaugurated as the husband of Miss Ethel Maude Lucas of Cambridge. Following a trip to Maine, the couple made their home at 47 Fairmont Street, Cambridge. This item and our congratulations would have constituted our first press notice in November, had we not supposed that the news was generally known.

Course II

HAROLD B. GRAY, *Secretary*, Vitreous Enameling Co.,
Cleveland, Ohio

All of the Course II bunch who want to get their names in *The Review*, please write and I'll do the rest.

Marriages, births, and deaths recorded free except that I reserve the right to kiss all brides at my discretion.

The White Motor Car Co. of Cleveland is unusually fortunate in having three of our Course II graduates in their apprentice course. They are Elmer Sanborn, Fred Kinch, and Herbert Williams. By the way, Elmer is having his difficulties in Cleveland. He says that the city does not possess a board track. The only place to run is on the street and the dogs and policemen chase him whenever he tries to stretch his legs.

Frank J. Kurriss is with the Western Electric Co., New York City.—William E. Leslie can be reached at Manning, Maxwell & Moore Co., Bridgeport, Conn.—George Johnson is employed by the Underwriters Bureau of New England as an inspector and engineer.—Fred Mann is with the New England Telephone Co., in Boston. He has finished a twelve-week training course and now has a regular job in the traffic department.—Russell is with the Mutual Underwriters in Boston.

Otherwise, nothing has happened that I know of.

Technology Branch

Harvard Coöperative Society

We announce the opening of our New Men's Wear Department. During the five months since the fixtures were ordered, we have rearranged the entire store with the purpose of improved service.

We have added many new lines in Men's Wear—Hats, Overcoats, Gloves, Mufflers, Sport Blouses, Sweaters, Sweat Shirts, Vests, Golf Hose, Raincoats, Rubbers, Overshoes, etc.

We intend to have in stock and ready what is wanted.

Let us know your wants.

Your Store Is At Your Service.

Course III

BENJAMIN P. LANE, *Secretary*, 3 Bond St., Claremont, N. H.

Eddie Heap is used to winning prizes for speed and, true to form, was the first to break the tape with a reply to my letter. Eddie is now "laboring" for the Norfolk Varnish Co. He says in part, "I started right in working in the white paint department. Talk about your dirty work, Benny, this paint line beats them all. At present, I am working in the laboratory and will probably stay there until spring. He adds that it is a great game and hopes to try the road eventually. Eddie bashfully tucks the real news into the last paragraph when he says, "Outside of my work, nothing has happened except that I became engaged to be married last month. Actual marriage is still a little too remote to consider, but I have a good start. Here's hoping that I don't pull a tendon at the the finish." Congratulations, Eddie.

Neil MacNeil worked two months in the Chemical Laboratory of the U. S. Metals Refining Co. before going to Milford, where he now is. He says, "We have been engaged in a very interesting electrochemical process, and I like the work very much, but the sad part of it is that the plant is closing down at the end of the year. I will likely go back to Boston and am looking forward to playing hockey again."

Sully writes that he is "with the Loudon Machinery Company who make and sell Barn Equipment and Industrial Monorail Systems. I am connected with the monorail end of the game in their Boston office. My efforts are directed towards learning the line preparatory to selling it." He adds, "I've noticed our section in *The Review* and believe that it is an excellent place to record bits of gossip for our 'gossip-monging' engineers." Let's have some more gossip from some of you whose names do not appear in this issue.

Joe Elliot writes, "I have been in Harrisburg for about a month employed as cadet engineer with the Harrisburg Gas Co. At present, I am undergoing more or less training, running around with my eyes and ears open." He reports that Bob Richardson is doing research work at the 'Stute.

Norman Weiss writes on fancy letterhead paper with his name at the top for reference and all the fixings. He appears real prosperous and says, "As you know, I am at Penn State in the capacity of Assistant Instructor, or as they call me, 'Graduate Assistant.' What matters it? A rose by any other name would smell, etc., etc. I am in charge of the lab course in ore dressing and coal washing, give lectures in O. D. when the Dean is out of town (which is very often), give a lecture and practicum course in mine rescue and first aid, and fill my spare time with graduate courses. I know you are puzzled as to how I can give these courses, never having had them myself, and the fact that next semester, I give a course in Ventilation and one in mine fans, will not make it any clearer." Weiss doesn't clear up the mystery in the remainder of his letter so I'll leave it to you. Norman signs himself as "Partner in Crime" but I don't see why. I am not teaching school.

Bill Nickamp is another victim of a sales-training course. He says, "I am working at the Joplin Plant of the Eagle Picher Lead Co. I am taking a training course to become a sales-engineer (whatever that is). Anyway, I am puttering around the research laboratory gathering information, learning how to make lead into its various forms, and how the consumers of lead use our products." He reports that Flint Taylor is working in Miami, Okla., as a mining engineer with the Schwab & Lenon interests.

Come, you absent miners. Crawl out of your hovels and see the daylight long enough to answer the next letter I send to you. If any of you didn't receive my letter, please write to me and tell me your address.

Course V

EDWARD J. DANEHY, *Secretary*, 25 Sargent St.,
Cambridge, Mass.

I can assure you that my apparent neglect of my duties as Secretary of Course V was due entirely to a lack of information from fellow chemists. I have, however, obtained bits of news from some Course V members for this issue, but sure do hope to have a little data from every chemist for the next issue.

You perhaps noticed that I used the term "fellow" chemists. You are cognizant of the fact that the most popular '23 Co-ed—I refer to our own Helen Miller—is, of course, a Course V alumna and so the phrase "fellow-chemists" is hardly applicable. Anyway, Helen is enjoying perfect health and what is more, she tells me that she is putting on or at least carrying on some additional avoirdupois.

Paul Culhane of the "Windy City" is very seriously engaged in research work of mercury compounds at the Northwestern University. We expect to hear big things of Paul some day.

1923 Continued

Brother Brason of Meta-Sulfo-cinnamic fame is at the present time further matriculating at the University of Zurich. He has as a "side-kick" the genial Charlie Moore of the Class of '22.

At the same university, Bill Gallup is also further delving

CHARLES H. JOHNSON

M. I. T., '05

New England Mutual Life Insurance Company

176 FEDERAL STREET Main 5571 BOSTON, MASS.

F. P. Montgomery, '02 Pres.

R. J. Marlow, '17, Treas.

F. P. MONTGOMERY & CO.

INSURANCE

100 WILLIAM STREET

NEW YORK CITY

Headquarters for
LABORATORY APPARATUS AND CHEMICAL REAGENTS

EIMER & AMEND

Established 1851

NEW YORK, N. Y.

Third Ave., 18th to 19th Street



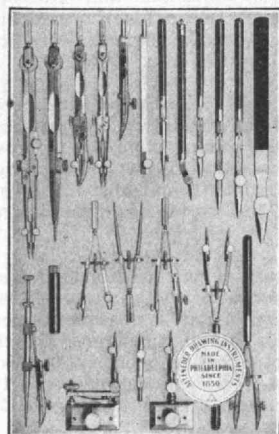
BUFF

Transits and Levels

are used on the largest work where utmost precision is required. *New catalog just issued.*

BUFF & BUFF CO., Boston 30, Mass.

Rear 98 Green St., Jamaica Plain



Alteneder Drawing Instruments

Appreciated the world over for their excellence and universally used by the expert engineer and architect

Catalogue on Request

Theo. Alteneder & Sons

1217 Spring Garden St., Phila.

into the mysteries of the reversible cycle and the frozen rope. Pretty soft for Gallup because he is being accompanied by his wife over in that far distant berg.

Mal Johnson, author of the best Tech Show ever written, is also far far away from us. In fact, he is over in the Far East, located with the Standard Oil Co. From the above, one can easily gather that the Course V aggregation is in great part a "sea-going" bunch.—Peg Marvin is employed as analytical chemist for the Pennsylvania Railroad Co.

As for "yours truly," I was engaged as paving chemist for the City of Boston until October 1, at which time I resigned this position for one of pedagogical endeavor along the line of Science. I like it very much.

THE ATLANTIC WORKS

Incorporated 1853

BORDER, MAVERICK AND NEW STREETS, EAST BOSTON

Builders of Stationary and Marine Boilers

Steamships, Towboats, Steam Yachts and Heavy Machinery

SAMSON CORDAGE WORKS

MANUFACTURERS OF
BRAIDED CORDAGE
AND COTTON TWINES



SASH CORD, CLOTHES
LINES, SMALL LINES
ETC. SEND FOR CATALOG

BOSTON

MASS.

MERRIMAC CHEMICAL CO.

148 STATE STREET, BOSTON, MASSACHUSETTS

WORKS AT

WOBURN AND EVERETT, MASSACHUSETTS

*THE largest and oldest chemical concern
in New England.*

FOUNDED
IN 1853



Spaulding-Moss Company

Manufacturing Blue Printers
Photostat and Litho Prints
Drawing and Artist Supplies

A. H. SPAULDING '14
P. B. TERRY '13

42 Franklin Street
BOSTON
Tel. Main 6000



GENERAL RADIO CO.

Manufacturers of

Radio and Electrical Laboratory Apparatus
CAMBRIDGE MASSACHUSETTS

BULLETIN H SENT ON REQUEST

Classified Advertising

Mail may be addressed to a Box Number in care of this magazine and will be promptly forwarded to the Advertiser. Other than this, the Review assumes no obligation. Such address counts as five words.

RATES—Positions Vacant: No display, 6 cents per word, minimum charge \$1.50, payable in advance.

Positions Wanted: No display, 3 cents per word, minimum charge \$0.75, payable in advance.

Display advertising is charged at regular advertising rates, which will be furnished on application.

The "Positions Wanted" Column is open only to Members of the Alumni Association in good standing.

Positions Vacant

AFIRM of manufacturers of desks and chairs located in the Blue Ridge district of North Carolina needs a superintendent for its plant. They employ about 225 men most of whom are in wood-working trades. They require a man who has had experience in manufacture involving wood-working. A good salary will be paid to a properly qualified man. Address TECHNOLOGY REVIEW, Box 3058.

ALARGE middle western city is seeking a principal for a technical high school having an enrollment of about 3000. A high-grade man is desired who couples teaching experience with administrative capacity. Address TECHNOLOGY REVIEW, Box 3064.

CHEMICAL and industrial engineering consulting firm in the South has an opening for a high-grade technical graduate with sound and thorough chemical training. In addition to his direct knowledge of chemical problems, he should be a man of exceptional general worth as reflected by his personality, appearance and initiative. Address TECHNOLOGY REVIEW, Box 3052.

DISTRICT sales manager to handle entire eastern territory comprising eastern Pennsylvania, New York, New Jersey and New England is wanted by a large pressed steel manufacturer. Should be cultured, neat appearing man between 25 and 32 and should have had at least three or four years' sales experience in the steel or machinery manufacturing trade. A distinctly great opportunity for a man who can qualify. Address TECHNOLOGY REVIEW, Box 3063.

NEW England manufacturer of textile machinery is looking for an electrical engineer to take charge of electrical machinery and power apparatus about the plant. Candidate should have several years' experience at such work. Address TECHNOLOGY REVIEW, Box 3061.

SALES engineer wanted for a New England territory to sell boilers and power plant equipment. Graduate of mechanical engineering department with one or two years' experience will be preferred. Straight salary basis. Address TECHNOLOGY REVIEW, Box 3060.

SPLENDID opportunity for a radio engineer who is well versed in theory and who has the ability to supervise building of apparatus. Only a man who understands the wiring of radio apparatus independent of diagrams and blue prints will be considered, but for such a man a position awaits carrying a handsome salary. The company making this offer is located in Boston and is capitalized at \$200,000. Address TECHNOLOGY REVIEW, Box 3059.

1923 Continued

That's all this time, but I hope to be able to spill much more dope next time. And right here I am going to take the liberty of asking you delinquent chemists to kindly get down to business and forward your doings or your misdoings to your Course Secretary.

Course VII

EARLE A. GRISWOLD, *Secretary*, Griswoldville, Mass.

Since the last call from the gensec a few of our buddies have responded with a modest amount of personal information. Let's get going strong before the next issue, boys.

Men that do great deeds should rate more than ordinary size type in the publication of their Alma Mater. Phil Riley

Positions Wanted

AHIGH-CLASS chemist with long experience as chief chemist with companies manufacturing soaps, fertilizers, glues, vegetable oils, paper, glycerine, etc., is available for a position in the Middle West or on the Pacific Coast. If you have need for a high-grade and conscientious chemist whose technical equipment is exceptionally broad and thorough, you can, by answering this ad, get in touch with such a man. A record which will bear a most complete investigation will be furnished upon request. Address TECHNOLOGY REVIEW, Box 4014.

CAPABLE graduate, experienced as executive, salesman and in general business management, wishes to change present employment. If you have a niche for me you will gain an asset. Best references. Salary within reason. Address TECHNOLOGY REVIEW, Box 2055.

ELECTRICAL engineer with a record of broad experience in power plant and industrial electrical work, in both construction and operation, is available for a permanent connection. Is willing to go to any part of the world under proper conditions. Can speak Portuguese and has some acquaintance with French and Spanish. A firm having need of a man who can put his best efforts into energetic and comprehensive development, reconstruction or expansion of an industrial electrical plant will do well to write to TECHNOLOGY REVIEW, Box 4010.

INDUSTRIAL Traffic Manager, at present acting in a consulting capacity, is forced, on account of partner's health, to seek connections with some concern which needs the services of one who thoroughly understands all phases of interstate commerce shipping including rates, routes, classifications, special services and privileges, and the rules, regulations, and orders of the Interstate Commerce Commission. Is capable of organizing a traffic department and operating it at the highest degree of efficiency. Address TECHNOLOGY REVIEW, Box 4013.

MINING Engineer, graduated in 1913, with well-balanced experience which has developed him steadily to the position of chief engineer for a large western mining company, is now open for any useful and energetic position in the mining line, preferably operating. Is in vigorous health and able to undertake exacting work in any part of the world. Address TECHNOLOGY REVIEW, Box 4011.

TECHNOLOGY graduate, 48 years of age, with a long and successful record in the manufacture of metal working machinery and in the drawing and rolling of steel is at present open for a new position. Coupled with his thorough technical knowledge he has a goodly share of administrative capacity and executive personality. Is accustomed to coöperating successfully with other executives. Address TECHNOLOGY REVIEW, Box 4012.

has already staked his claim to distinction and we regret that none of Mr. Hearst's large, red type is at hand to broadcast his engagement to Miss Ella Smith. Wedding bells ring on February 21, 1924. Congratulations, old man. Phil is still assisting in the Department of Biology and Public Health.

Milt Parker is around again after his illness, but on the advice of his physician, he resigned his strenuous traveling position with the Heathized Butter Co. of Baltimore and is now developing a new disinfectant in one of the labs on the fourth floor of Building 10.

Bernie Proctor continues his scholarship work with Dr. Rowe at B. U. Medical, but friends who have seen him say that as

Professional Cards

A Directory of Technology Graduates and Other Qualified Engineers

T. C. DESMOND & CO., INC.

BUILDING CONSTRUCTION

247 PARK AVENUE - - - NEW YORK CITY

THOMAS C. DESMOND, M. I. T., '09, President

STANLEY G. H. FITCH

M. I. T. '00

CERTIFIED PUBLIC ACCOUNTANT

131 State Street - Boston, Mass.

of PATTERSON, TEELE & DENNIS

New York, Boston, Washington and Baltimore

WILLIAM T. REED COMPANY

BUILDING CONSTRUCTION

200 DEVONSHIRE STREET BOSTON 9, MASS.

CHARLES S. GOODING, '79

*Solicitor of Patents
Mechanical Engineer*

27 SCHOOL STREET - - - BOSTON 9

FORMERLY MEMBER EXAMINING CORPS - U. S. PATENT OFFICE

SAMUEL SIEGEL

M. I. T. '17

GEORGETOWN LAW SCHOOL '21

SOLICITOR OF PATENTS

1 BEACON ST. BOSTON

ATAHUALPA GUIMARAES

Société Generale, Paris, France.

Assignments solicited for technical and commercial investigations, inspection of equipment, and general service in all European countries.

2-24

METCALF & EDDY 14 BEACON STREET, BOSTON, MASS.

Consulting Engineers

LEONARD METCALF, '92 HARRISON P. EDDY CHARLES W. SHERMAN, '90
ALMON L. FALES FRANK A. MARSTON

Water Works, Sewerage Works, Industrial Wastes, Municipal Refuse, Drainage, Flood Protection, Supervision of Construction and Operation, Valuations, Laboratory for Chemical and Biological Analyses.

CHARLES T. MAIN

ENGINEER

200 DEVONSHIRE STREET, BOSTON, MASS.

Dugald C. Jackson

Edward L. Moreland

JACKSON & MORELAND

CONSULTING ENGINEERS

387 WASHINGTON ST.

BOSTON, MASS.

GEORGE P. DIKE

M. I. T. ex '99

Attorney-at-Law and Solicitor of Patents

350 Tremont Building, Boston, Mass.

of MACLEOD, CALVER, COPELAND & DIKE, Boston and Washington

P. F. MAHER, '17

Public Accountant

7 JUSTIN ROAD, BRIGHTON, MASS.

Audits Investigations Systems Tax Returns

Gerry Fitzgerald is seen occasionally around the 'Stute, but just how he is spending his time is not known.

Can't say much for myself that's new. Am still with the White Tar Co. of New Jersey, Inc., which is located in the meadows between Jersey City and Newark. Met Jim Conners, X, at a meeting of the New Jersey Chemical Society about a month ago.

Course XII and XIII

CLARENCE H. CHAISSON, *Secretary*, 57 Evergreen St., Auburndale, Mass.

Although I have had no direct news from any of the geologists, the whereabouts of a few have been discovered.

It seems as though they spent the last six months getting as far away from the 'Stute as possible.

N. L. Smith is at the University of Geissen in Germany.—J. R. Decker is reported to be somewhere in Europe.—Chick Stratton went back to his native land, and is now associated with the Canadian Survey.—P. C. Putnam is back at M. I. T., studying for his M. S.

Had an interesting letter from Bill MacNary. Mac is with Cox & Stevens, Naval Architects, New York City. Although Mac claims he has had no evidence to lead him to believe that New York is the financial center of the country, still he seems well satisfied with his job and expects to stick to it. His address is 26 South Portland Avenue, Brooklyn, and he wants any of the naval archs that are in New York to look him up.

1923 Continued

yet he has made no attempt to rival the doctor's moustache.

Tom Duffield, when last heard from, was continuing his good work with the Health Section, League of Nations, Geneva, Switzerland. He is attempting to standardize health reports and statistics so that reports from different countries may be more easily compared.

Herman Swett is Bacteriologist for the Bureau of Chemistry, Department of Agriculture in Washington. He is working in the Carbohydrate Laboratory on the fermentation of molasses by various types of yeasts. His address is 2000 H Street, N. W., Washington, D. C.

Smoke Fuller is working with Dr. Clapp up in the department and it is understood they are getting a lot of useful information on Toredos. Smoke spends most of his time taking photomicrographs. Also hear that he is starting a new club, and would be glad to give information to all those interested.



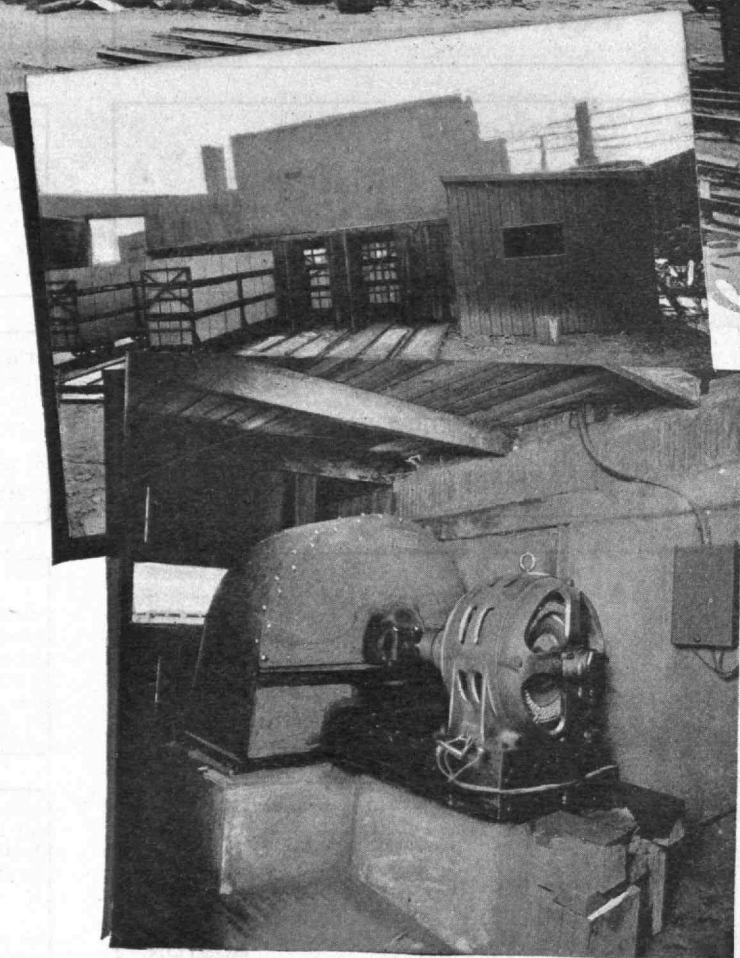
Making Waste Heat Work with *Sturtevant Equipment*

Here you have three views of the plant of the Anness & Potter Fire Clay Co., Woodbridge, N. J.

Sturtevant Equipment utilizes the *waste heat* from the cooling kilns to dry hollow tile.

The equipment consists of a Multivane Fan, direct connected to a type IM Sturtevant Motor. Its method of installation is shown by the photographs—and its operation is highly satisfactory to the user. Production was increased from 9 to 15 tons of tile blocks per 24 hours.

Perhaps Sturtevant Engineers can assist you by pointing out how waste heat may be profitably utilized in your plant or processes, by Sturtevant equipment. May we have the opportunity of studying your methods? It will cost you nothing and may prove of great benefit.



B. F. STURTEVANT COMPANY

Sales Engineering Offices:

Atlanta, Ga.
Boston, Mass.
Buffalo, N. Y.
Camden, N. J.
Chicago, Ill.
Cincinnati, Ohio
Cleveland, Ohio
Dallas, Texas
Detroit, Mich.
Hartford, Conn.
Indianapolis, Ind.
Los Angeles, Cal.
Minneapolis, Minn.

Plants Located in

Hyde Park, Mass. Framingham, Mass.
Sturtevant, Wis. Camden, N. J.
Berkeley, Cal. Galt, Ontario

Sales Engineering Offices:

Montreal, P. Q.
New York, N. Y.
Pittsburgh, Pa.
Portland, Ore.
Rochester, N. Y.
St. Louis, Mo.
Salt Lake City, Utah
San Francisco, Cal.
Seattle, Wash.
Springfield, Mass.
Toronto, Ont.
Washington, D. C.



The Massachusetts Institute of Technology

CAMBRIDGE, MASS.

The Massachusetts Institute of Technology offers Courses, each of four years' duration, in Civil, Mechanical and Electrical Engineering; Naval Architecture and Marine Engineering; Mining Engineering and Metallurgy and Geology and Geological Engineering; Architecture and Architectural Engineering; Chemistry, Chemical Engineering and Electrochemical Engineering; Biology and Public Health and Sanitary Engineering; Physics, General Science and General Engineering; and in Engineering Administration. These Courses lead to the degree of Bachelor of Science.

To be admitted to the first year class, applicants must have attained the age of seventeen years, and must satisfactorily fulfill entrance requirements in Algebra, Plane and Solid Geometry, Trigonometry, Physics, Chemistry, English, History, and French or German and one elective subject. Examinations are required in all subjects except Chemistry, History and the elective, the requirements for which are fulfilled by the presentation of satisfactory certificates. A division of these entrance subjects between different examination periods is permitted.

Entrance examinations are held at the Institute in September. In June, applicants will be examined by the College Entrance Examination Board in Boston, New York, Philadelphia, Chicago and many other cities in America and Europe. A circular stating times and places is issued in advance by the College Board.

Graduates of colleges and scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

Graduate courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy and Doctor of Science are also offered. Special research Laboratories of Physical Chemistry, Applied Chemistry and Science have been established.

PUBLICATIONS

Bulletins of General Information, Courses of Study, Summer Session, Advanced Study and Research, and the report of the President and the Treasurer.

Any of the above-named publications will be mailed free on application

For Bulletins and Information address

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASS.

OLMSTED-FLINT COMPANY

FRANK M. SCHIFFMACHER
President

EVERETT H. CARGEN
Treasurer

Manufacturers of Leather Belting

CAMBRIDGE

-

MASSACHUSETTS

Area Used
in



Leather Belting

Pacemaker is thoroughly standardized. It is cut from the center area of heavy native packer steer hides, tanned by the slow oak bark process. All widths seven inches wide and above are made of backbone strips. The same standards are maintained in all weights of single, double and triple thicknesses.

Pacemaker is guaranteed for 250,000 miles of belt travel.

See future issues of The Review
for practical belt talks.

Send for pamphlet
"Ten Times Around The World"